MARCH · 1959

National CLEANER AND DYER

First in The Drycleaning Industry Since 1910

A Reuben H. Donnelley Publication

1910-1959

Our 50th Year of Service to the Drycleaning Industry

1959 GUIDEBOOK ISSUE

Pre-Convention Number

dirt in your solvent can cause dull, streaked garments

—use HYFLO

...it removes all insoluble soil

J-M HYFLO*, by removing all insoluble impurities, keeps your solvent sparkling clean. With Hyflo, you get fresh, odor-free garments and practically automatic solvent recovery.

With a good precoat and by adding the proper amount of Hyflo to every washer load, you protect your filter screen from clogging and keep your pressure low. Hyflo is the original high speed filter powder that always removes all solid soil but never adsorbs active detergent. And Hyflo works with every type of system, filter or solvent.

Drycleaners have relied on the efficiency and uniformity of Hyflo for over 30 years. For the name of your nearest Hyflo dealer, write Johns-Manville, Box 14, New York 16, N.Y. In Canada, Port Credit, Ontario.

*Trade Mark Reg. U. S. Pat. Off.

The complete filter powder service for drycleaners:

- J-M Dealers—there's one nearby, ready to serve you.
- J-M Drycleaner's Handbook—ask your dealer for the 7th Edition.
- J-M Engineers—for help on any operating problems.
- J-M Drycleaning Laboratory—constantly studying the latest cleaning methods.

JOHNS-MANVILLE JM PRODUCTS

Johns-Manville HYFLO

THE FILTER POWDER FOR CHARGED SYSTEM CLEANING

TNT*

NEW

can your sizing pass the *Thumb Nail Test?

Why Dry Cleaners Like

BUCKEYE TNT DRY SIZE

- TNT Sizing will not stick, gum, or build up on press plates, covers, or steam irons. TNT sized garments finish faster — lowers production costs.
- Easy to use. TNT Size may be used by any of the popular sizing methods—dip tank, spray method, or in the wheel.
- Lower cost. Because of the concentration of TNT Sizing, it brings cost down and customer satisfaction up.

Why Customers Like

BUCKEYE TNT DRY SIZE

- Absolutely No Scratch, Flake or Marking!
- Crease resistance. TNT enables fabrics to bounce back and resist excessive wrinkling.
- Gives garments that new drape and hang that assures customer satisfaction.
- Lustre and sheen. TNT enhances the "new look" of any fabric.
- No odor. No complaints when TNT sized garments are worn.

What happens when you scratch your sized fabrics with your thumbnail? Do they flake or mark? You no longer have to put up with unsatisfactory performance from old-fashioned sizing.

A modern new development in sizing called BUCKEYE TNT DRY SIZE passes the Thumb Nail Test with flying colors . . . ABSOLUTELY NO FLAKING OR MARKING.

Contact your nearest jobber for information on this and other Buckeye products.

SYMBOL OF QUALITY

THE DAVIES-YOUNG SOAP COMPANY
BOX 995 DAYTON 1, OHIO

Producers of Quality Products for the Dry Cleaning Industry Since 1884

SATISFY YOURSELF—SATISFY YOUR CUSTOMERS WITH TNT—THE ONLY SIZING THAT PASSES *THE THUMB NAIL TEST!*

NATIONAL CLEANER & DYER, March, 1959. Published monthly by the Business Papers Division of The Reuben H. Donnelley Corp. Executive and Editorial Office: 305 East 45th Street, New York 17, N. Y. Subscription rates: United States and Canada, $4.00; Foreign, $6.00 per year. Volume 50, No. 3 Entered as 2nd class matter April 21, 1948, at the Post Office, Lancaster, Pa., under the act of March 3, 1879.

BISHOP *Laundry* WORK-SAVERS

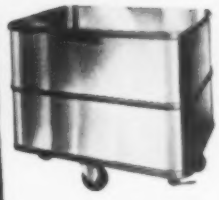
Cut costs — boost production and profit

STARCH COOKERS

All copper, double-walled permanently insulated. In 3 sizes: (15-gal.) B3-2, (25-gal.) B3-5, (50-gal.) B3-11.

BISHOP Leak-Proof Laundry *Flexible* Hose

Bronze . . . Trouble free. No packing . . . No leaky joints. Available in sizes to fit all makes and models of laundry and drycleaning presses.

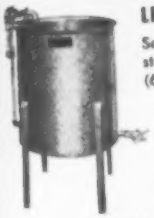


BISHOP *Lifetime* STAINLESS STEEL TRUCK TUB

Made of stainless steel. No rust, corrosion. In 3 sizes: B2-5 (12) 22" x 34" x 25" deep; B2-13 (13) 26" x 36" x 25" deep

BISHOP SuperSpray BOOSTS PRODUCTION

Fits every hand smoothly, comfortably. Just grab it, squeeze it! Instant action! Lightest . . Fastest . . Easiest to operate!



LIQUID SOAP MAKER

Saves time and supplies. Galv. steel in 3 sizes: (30-gal.) B6-1, (60-gal.) B6-2, (100-gal.) B6-3.

BISHOP PUF-FINISHERS

Heads tilt over board; no reaching. B5-18X (shown): #3, #22, #52 heads, spray iron, spray gun.

SAVE $1,000 Annually (and 50% of sorting time) per Shirt Unit

Sort at the Folder

with BISHOP SHIRT-BIN UNITS for Any Lot System

A SIZE FOR EVERY BUNDLE LOT . . . 10-BIN, 15-BIN AND 20-BIN

ALL FOLDER-SORTING SHIRT-BIN UNITS ARE ADJUSTABLE TO ANY TABLE HEIGHT

Bid goodbye to the shirt-sorting department . . . its labor, its space, its walking and handling. Stop mix-ups, losses, service delays. Now your folders can do the sorting—faster, better, more economically, and give you 50% more sorting—with Bishop Folder-Sorters. You save at least one handling per shirt. Bundles go direct from folder to checker-wrapper without in-between handling that causes losses and breaks down quality. With a Bishop 10-Bin, 15-Bin or 20-Bin Folder-Sorter at each shirt table your folders sort as they go—without loss of folding production, fewer sorting errors—and cut hours per day from bundle-processing. Users report lower claims, improved quality, faster service, with reduced labor cost. Savings amount to over $1,000 yearly for each shirt unit!

MODELS TO MEET EVERY NEED

FOR SHIRTS ONLY (BINS 10" WIDE, 15" HIGH, 18" DEEP)	For Shirts & Wearing Apparel (BINS 13" WIDE x 15" x 18")
10-Bin Unit, Model B29-10108	10-Bin Unit, Model B29-10138
10-Bin Unit, Model B29-10101	10-Bin Unit, Model B29-10131
15-Bin Unit, Model B29-15101	15-Bin Unit, Model B29-15131
20-Bin Unit, Model B29-20101	20-Bin Unit, Model B29-20131

ORDER NOW FROM YOUR JOBBER

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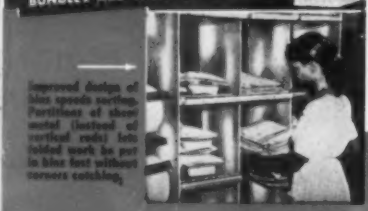


Improved design of bins speeds sorting. Partitions of sheet metal (instead of vertical rods) lets folded work be put in bins fast without corners catching.

BISHOP SHIRTRANSPORTS

Cut handling ⅔; fold up to save space. All steel. In 2 sizes: B29-50 (for 50 shirts); B29-100 (100 shirts).

REVOLVING SORTER

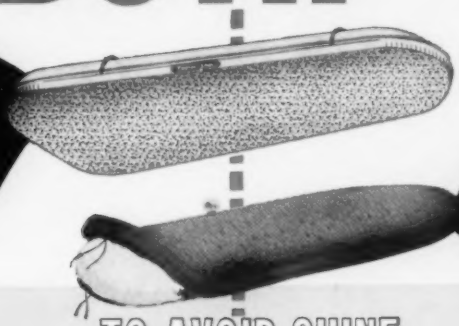
50 bins in arm's reach to sort twice as fast in half space. Turns at flick of finger; holds 500 shirts Won't tip. No. B26-10.

BISHOP DAVID FREEMAN CO.

EVANSTON, ILLINOIS, U.S.A.

IT TAKES BOTH FOR QUALITY

THE HEAD SURFACE MUST BE RIGHT . . .



THE BUCK SURFACE MUST BE RIGHT!

TO AVOID SHINE

Shine results if pressplate flattens fibers to reflect light. Fabric-Safe Doubleplate's textured surface ("Cat-Tongue") prevents this; cuts 90% of shine.

Too-hard padding and slick buck covers cause bad shine on buck-side of fabric. Permanent resilience and soft surface of CushnTop eliminate this fault.

TO PREVENT MOIRE

Moire results if old-style plate's "regular" pattern is pressed on a "regular" weave. Fabric-Safe's *irregular* surface avoids this.

Buck covers with ribbed or "regular" weave cause moire marks on buck-side of gabardine-like fabrics. CushnTop's soft, fine surface banishes this problem.

TO STOP GLAZE & SEAM IMPRESSIONS

Glazing is partly light reflection, partly the result of too-high heat. Fabric-Safe's surface reduces the reflection; inner plate makes steam cooler by 50°F.

Glazing also results from pressure. CushnTop's unfailing resilience relieves pressure; adjusts itself to varying fabric thicknesses.

FOR SAFETY TO SYNTHETIC FABRICS

Presshead steam is 300° hot. The synthetic-fiber producers say "don't use over 275° in finishing." Fabric-Safe cuts steam temperature to only 250°.

Mechanical pressure can glaze synthetic fabrics permanently if hard buck covering and padding are used. CushnTop stays soft, resilient, flexible.

NO STEAM MARKS

"Nickel spots," from high-velocity steam "jets" out of presshead, are ended by Fabric-Safe. Its inner plate baffles "jets"; spreads steam evenly.

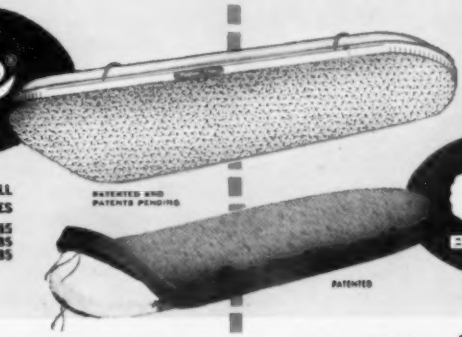
NO 'CROWSFEET'

CushnTop resiliency gives buttons "a place to go" . . . reduces "crowsfeet" because fabric around the buttons gets the same firm pressing as other areas.

FREEMAN® Fabric-Safe® DOUBLEPLATE®

Fabric-Safe® SIZES TO FIT ALL MODELS OF "UTILITY" PRESSES

Utility sizes, 38" to 45" $29.85
Mushroom and Topper sizes $21.85
Large sizes (over 45") and Leggers $38.85



CUSHNTOP™ PAD & COVER SETS FOR ALL "UTILITY" PRESS MODELS

MODEL 18-20 Mushroom or Topper $ 9.95
MODEL 38-41-42-45 Utilities $18.95
MODEL 43 Legger and 47 Utility $24.95
MODEL 48 Legger and 52 Utility $29.95

BISHOP™ CUSHNTOP™ BUK-COVER & BUK-PAD

ORDER BOTH FROM YOUR JOBBER . . . TO EQUIP ALL OF YOUR PRESSES

BISHOP DAVID FREEMAN CO. MFRS., EVANSTON, ILLINOIS, U.S.A.

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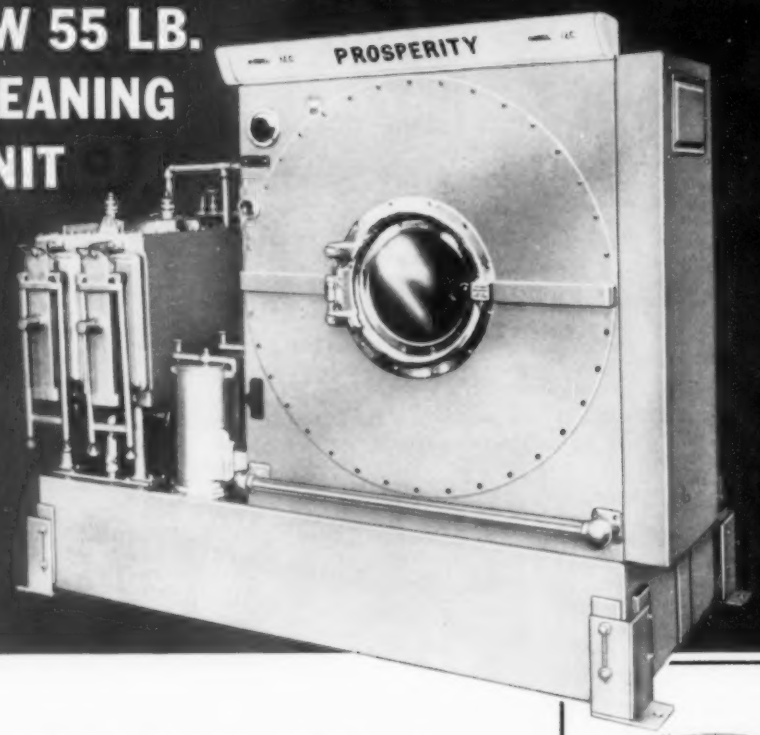
PROSPERITY *Introduces*

ALL-NEW 55 LB. DRYCLEANING UNIT



Feature-Packed Machines Standardize on Efficient MARLOW PUMPS®

In response to the popular demand for smaller drycleaning units, Prosperity recently introduced a new 55-pound capacity, fully automatic, Model 12-C, open-pocket, reversing washer. This outstanding machine has "Vari-Level" solvent control, "Formatrol" cycle timer and an exclusive built-in solvent flow meter. A unique pneumatic-tube door seal inflates when the switch is turned to "On" position and locks the door securely until the unit is stopped.

It's only natural that a feature-packed drycleaning machine such as the Model 12-C should be equipped with efficient, trouble-free Marlow drycleaning pumps as *standard equipment*. The Marlows handle solvent from the built-in tanks through the filter to the cylinder of the unit.

For many years, Marlow Pumps have helped make good drycleaning equipment better! Marlow drycleaning pumps are specially engineered for the job. A patented, mechanical seal eliminates shaft leakage. There's no solvent loss—floors stay dry and clean. And Marlows handle petroleum or synthetic solvents with equal ease. Fewer shut-downs, less maintenance, space-saving design, sturdy construction, quiet operation — are just a few of the many other Marlow advantages.

For complete information on these long-lasting pumps, see your Marlow dealer or write for Bulletin DC-04 today.

MARLOW PUMPS®

DIVISION OF **BELL & GOSSETT CO.**

Midland Park, New Jersey

Morton Grove, Illinois • Longview, Texas

7-386

"CLEANED" TROUSERS LOOK DINGY?

IT'S PROBABLY DIRTY SOLVENT!

When cleaned trousers look dull next to a coat that *wasn't* cleaned, you may lose a customer . . . all because of dirty solvent.

Keep solvent clean with Premium DARCO® . . . the super-activated carbon developed for modern cleaning systems . . . especially useful with light-colored soaps.

Daily dosage with Premium DARCO takes out color, fatty acid, soil. Premium DARCO reduces make-up of costly detergent . . . cuts filter cleanout work . . . practically eliminates distillation. Easy, accurate and clean to use in the one-pound power pack. Order Premium DARCO today from your distributor.

made by
ATLAS POWDER COMPANY, WILMINGTON 99, DELAWARE

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The National Cleaner & Dyer, 305 East 45th Street, New York 17, New York. Change of address should reach us one month in advance.

Please include your city delivery zone number.

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Address the Editor:
NATIONAL CLEANER & DYER
305 East 45th Street, New York 17, N. Y.

A BUYER'S GUIDE TO MOISTURE CONTROL UNITS

Consistently perfect results under all conditions are required of the modern drycleaning plant today. This makes automatic moisture control a "*must.*"

A control unit that can produce perfect cleaning and reduce labor, materials, and time costs, all with push button simplicity, certainly is a vital factor in the success of any drycleaning operation. And it is a long-term investment that pays for itself many times over.

The increased customer satisfaction and in-plant savings can make it your greatest asset. The right moisture control provides optimum results with every load, in all types of weather. It eliminates shrinkage, breaking and wrinkling. Garments are cleaner and softer, colors brighter. It practically eliminates your spotting, wetcleaning and re-runs.

But, all moisture controls are not alike! Before you buy *any* unit, compare them on these important points:

▶ DESIGN

Your best buy is the unit that achieves perfect drycleaning with greatest efficiency, simplest operation and minimum maintenance.

COMPARE—and you'll choose STREET'S Conductivity Control Unit *because:* its efficiently engineered, thoroughly researched design has produced optimum results since 1953—without a single modification or addition.

▶ COSTS

Initial costs of the various moisture control units vary widely. Maintenance and modification costs do, too. Naturally, the simpler the design, the less extraneous elements and materials you have to pay for.

COMPARE—and you'll choose STREET'S Conductivity Control Unit *because:* its unusually low original cost and negligible maintenance expense make it the best moisture control unit value.

▶ SENSING ELEMENT

This vital part should be located in the solvent itself to provide the most direct—and thus, the most accurate moisture reading. It should last through years of service with unfailing accuracy and reliability. If it deteriorates, the quality of the drycleaning results decreases, and expensive replacement is required.

COMPARE—and you'll choose STREET'S Conductivity Control Unit *because:* its sensing element is placed in the solvent giving direct, accurate reading. It lasts the life of the installation, eliminating any replacement cost, and its reliability remains constant, always.

▶ EXPERIENCE AND SERVICE

Great consideration must be given the manufacturer's experience in the drycleaning industry and with moisture control. Number of installations and length of service of units in drycleaning plants are important factors in making one's moisture control buying decision. The service policy and personnel that back each unit must be weighed, too.

COMPARE—and you'll choose STREET'S Conductivity Control Unit *because:* STREET'S pioneered moisture control research, and have over 7,000 Conductivity Control Units operating in America's leading drycleaning plants. Original units, installed in 1953, are still providing trouble-free service with optimum drycleaning results. And every Conductivity Control Unit is backed by a trained and capable member of our 50-man field technician force to assure superior servicing.

INDUSTRIAL CHEMISTS SINCE 1876 • SOMMITT • 561 W. MONROE ST., CHICAGO 6, ILLINOIS

STREET'S

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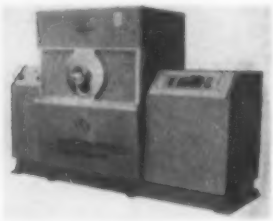
NEW PRODUCTS AND LITERATURE

Unit Uses Jet Theory



A new high-capacity cleaning unit featuring automatic self-balancing during the extraction cycle has been introduced by W. H. Nicholson and Co.

Named the Master-Jet Model 480, the unit has been developed to provide the advantages of the open-pocket cylinder. The newest addition to Nicholson's line of laundry, drycleaning and pressing equipment is capable of handling up to 300 pounds of clothes per hour, according to the manufacturer.

The "cold" perchlorethylene unit uses a jet principle to balance the load in the machine, thus permitting extraction speeds of 600 r.p.m. with the 48-inch cylinder.

Another new feature of the Master-Jet 480 is adjustable selective control, allowing the operator to change the time on any single phase of the cycle without affecting any of the other controls.

The trap for the unit is also of new design, and the integral purge fan damper is interlocked with the loading door. The unit is supplied complete with filter, solvent piping and self-aligning roller bearings, the maker points out.

For further information write to W. H. Nicholson & Co., 12 Oregon St., Wilkes-Barre, Pa.

YOUR REQUEST

for further information will get quickest and most complete attention as a worthwhile inquiry when it's written on your letterhead. Be sure to mention NATIONAL CLEANER & DYER.

Street's Offers Free Kits

Free merchandising kits are now being supplied by R. R. Street & Co. Inc. to help promote extra profits for drycleaners using their new REP-100 Water Repellent Process.

The advertising material offered includes colorful window posters, interior store streamers, button tags for finished garments and a series of newspaper ad mats.

For further information write to R. R. Street & Co. Inc., 561 W. Monroe St., Chicago 6, Ill.

Time Savers 1959 Catalog

Time Savers, Inc., is now offering its 1958-1959 catalog. The 26-page catalog contains many new features on shirt service specialties including newly designed sorting bins, folding equipment and a few newly designed specialties. A couple of newly designed collar supports are also described.

For a copy of the catalog write to Time Savers, Inc., 83-99 Walnut St., Montclair, N. J.

Tapered Long-Gown Bag

The Louis Miller Company offers new protection for wedding gowns and floor-length formals in its tapered Protector-Pak garment bags.

This newest addition to the Miller line of tapered garment bags is the DWG-75, measuring 75 inches in length, with a 24-inch contour shoulder tapering to a wide 36 inches at the bottom. The manufacturer claims the new taper makes bagging easier and allows the garment to remain uncrushed while protected. The new Protector-Pak is made of heavy transparent plastic and can be reused by the customer.

For additional information on tapered Protector-Paks, write The Louis Miller Company, 405 E. Market St., Akron 4, Ohio.

Manitowoc Bulletin

A bulletin recently published by the Manitowoc Engineering Corp. describes its new perchlor single-bath Primeliner 50 drycleaning system, capable of handling more than 150 pounds an hour.

In addition to complete specifications on the Primeliner 50, the bulletin offers description of its many other Manitowoc exclusive features, including the No-Surge-Over 40 g.p.h. still; the Extra-Dry system of muck extraction; smooth, shockproof fluid drive, and the Manitowoc-Olson tubular filter. Standard equipment includes the Super-Speed 50-pound recovery tumbler.

This bulletin may be obtained through your Manitowoc jobber, or by writing to Manitowoc Engineering Corp., Manitowoc, Wis.

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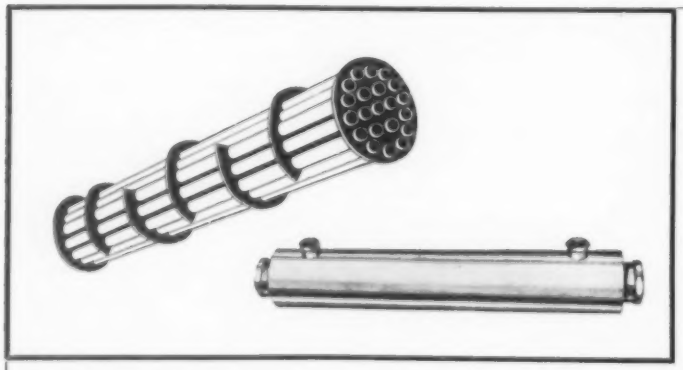


HOT SOLVENT

***causes:* Wrinkling • Shrinking • Spotting • Color loss • Slower finishing**

Solvent costs soar when solvent temperatures rise, causing losses in dollars in excess of the cost of a solvent cooler. Hot petroleum solvent also presents a serious fire hazard. Weight–18¾ lbs., overall length–26½", 2" solvent outlet and inlet lines, ¾" coolant outlet and inlet lines, illustrated model for filters up to 5000 gph capacity. This unit also serves as a solvent heater when installed as instructed.

• We now manufacture a **Dual-Pac Cooler-Heater** for larger filters over 5000 gph

Write for information

AVARA and Son, Inc.

NOW Only $99.50 F.O.B.

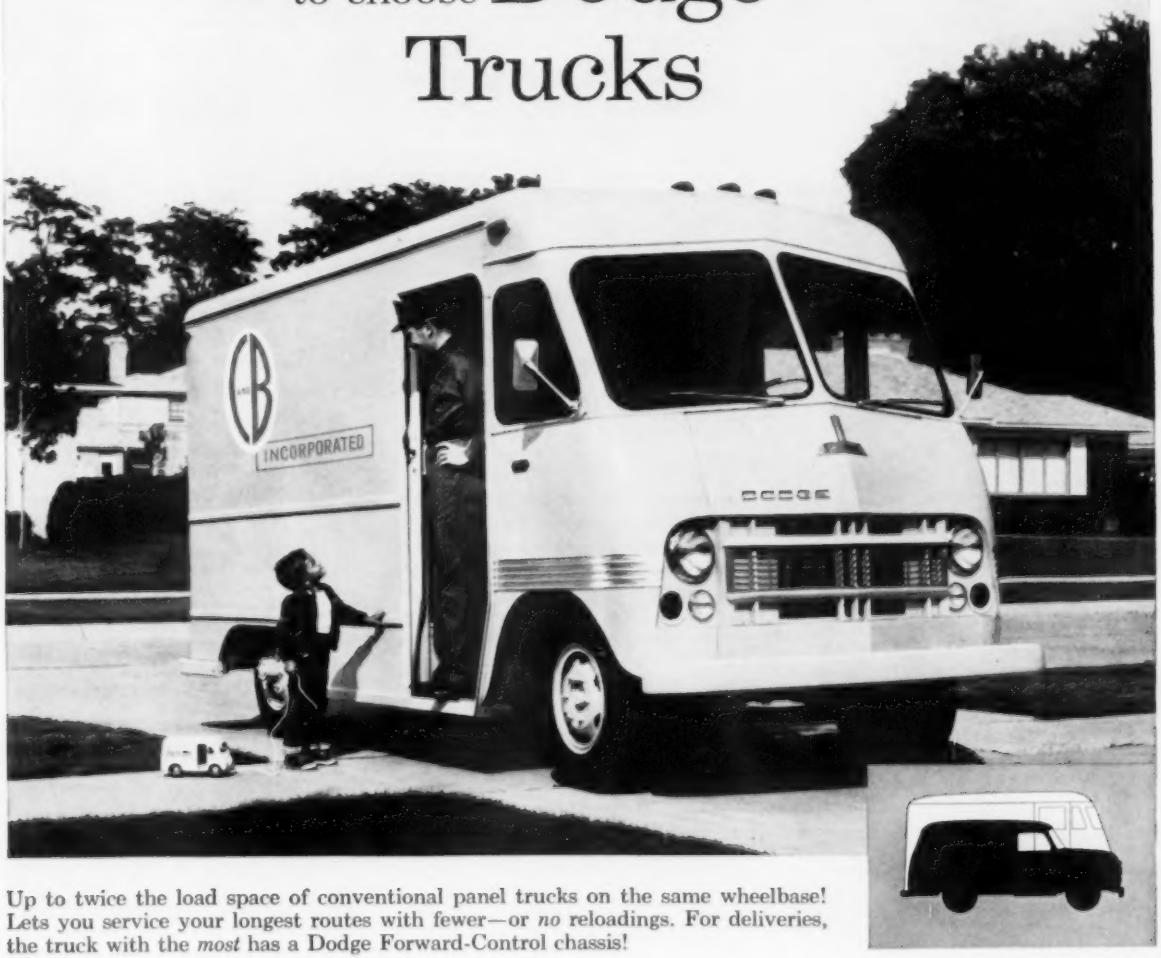
53 CLARK STREET, HAMBURG, N. Y.

For "grown-up" routes!

When delivery routes get big, you need a truck that more than matches the *work* for size. This Dodge P300, for instance. Its walk-in height and low floor make it easy for the driver to load and unload . . . its easy steering and comfortable ride keep him relaxed and efficient . . . optional power steering and push-button transmission make it easier for him to concentrate on his *route*.

The room-sized interior lets you arrange racks to keep loads from shifting, and to "file" loads for most efficient delivery. *Our* delivery is good, too, thanks to a new network of Dodge Truck Centers. Ask your Dodge dealer about it, and about the dozens of other reasons why . . .

today, it's real smart to choose Dodge Trucks



Up to twice the load space of conventional panel trucks on the same wheelbase! Lets you service your longest routes with fewer—or *no* reloadings. For deliveries, the truck with the *most* has a Dodge Forward-Control chassis!

SATISFIED CUSTOMERS
mean
REPEAT PROFITS
FOR YOU!

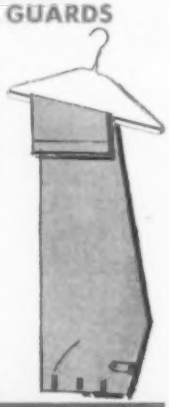
Build good will and better business by using no-slip

GRIPPO
SHOULDER GUARDS

Made of plastic-foam, GRIPPO SHOULDER GUARDS prevent all kinds of materials from creasing, sliding and slipping. They come in soft pastel colors and white to delight your feminine clients. Convert plain wire hangers into useful accessories in seconds with GRIPPO SHOULDER GUARDS!

GRIPPO
TROUSER GUARDS

Do not accept substitutes! Try this comparison. See if your present guard will hold trousers with just a few inches overhang. GRIPPO TROUSER GUARDS will! Eliminate customer complaints and costly re-runs. No-slip, worry-free GRIPPO TROUSER GUARDS hold all kinds of materials safely and neatly. Also available in Blue Chip for extra heavy-duty use.



THE ORIGINAL
SLIP-RESISTANT
TROUSER GUARD
(Not an Imitation)

SOLD BY LEADING DISTRIBUTORS

Get Complete Information from Your Distributor Today!

L. M. LEATHERS' SONS
PAPER PRODUCTS DIVISION
P. O. Box 1188 • Athens, Ga.

SIGNS of the TIMES

Morale in Small Business: The four key aspects of good employee morale in small businesses and the effects of low morale have been scientifically explored in a recent issue of "Small Marketers Aids," the newsletter published by Small Business Administration, Washington, D. C.

According to studies at the Survey Research Center of the University of Michigan mentioned in the report, the four major approaches to high morale are in satisfaction in the job itself, pride in co-workers, approval of pay scales and promotional opportunities, and a feeling of belonging in the company.

The newsletter points out that while one factor may be more important than another, basically morale is good when these four needs are being met, poor when they are not.

The newsletter is No. 37 of a series designed for the use of small retailers, wholesalers and service tradesmen. Copies may be obtained from any Small Business Administration field office upon request.

"Managing for Better Morale," the name of the article, deals with employee relations from the boss' viewpoint, components of good morale, methods to judge existing morale, and how to improve both employee and executive morale.

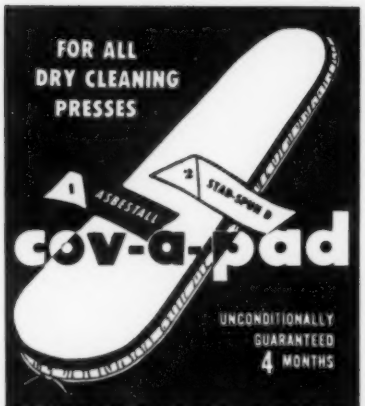
# #

Regulation of Hours Invalid: A Passaic, New Jersey, city ordinance regulating the opening and closing hours of drycleaning establishments has been declared discriminatory and therefore invalid by a Superior Court judge.

The ordinance was contested by Topps Cleaners, Inc., a chain which had purchased the site for its Passaic store but had not completed the building when the ruling was passed. The Topps attorney pointed out that the ordinance, limiting over-the-counter business hours to between 7:00 a.m. and 6:00 p.m., was unconstitutional as it singled out just one retail business for restriction.

The judge ruled that while a municipality can enact laws reasonably designed to protect public health, welfare and morals, it cannot interfere with private business or prohibit lawful occupations or impose unreasonable and unnecessary restrictions upon them. He further ruled that to impose such restrictions upon the cleaning business, while exempting

FOR ALL
DRY CLEANING
PRESSES



COMBINATION COVER
& FOAM RUBBER PAD

FOR *better fabric finishing*
at LOWER COST

- cov-a-pad is sold with a 4 month guarantee—actually lasts longer.
- cov-a-pad is washable. Eliminates weekly padding and cover changes.
- cov-a-pad's foam rubber pad creates a softer cushion. Eliminates broken buttons, damage to zippers.
- cov-a-pad, the long lasting combination cover and pad, reduces your inventory.
- cov-a-pad gives you a choice of two covers:

(1) ASBESTALL covered foam rubber pad. (2) STAD-SPUN D covered foam rubber pad.

ORDER A TRIAL SUPPLY—TODAY

IT PAYS FOR ITSELF . . .
SAVE TIME AND TROUBLE
use LONG WEARING, PRINTED
STADHAM
CLOTH BAGS
FOR identification
FOR convenience
FOR protection

Write for informative illustrated chart showing standard cut sizes, types materials, and quantities.

Sold through all leading distributors

STADHAM
COMPANY INC. • HEXAGON DIVISION
1825-31 North 20th St. • Phila. 21, Pa.

manufacturers of—pads, covers, bags aprons, nylon tape, textile specialties

LOOK for this sign

NEW *deodorized* APCO 140!

A PETROLEUM Solvent

APCO
INDUSTRIAL NAPHTHAS

High Flash Safety
Lower Temperatures
Unexcelled Cycle Speed

REFINERS OF STOD-SOL AND DEODORIZED APCO 125

AT BOOTH 16

NID CONVENTION - ATLANTIC CITY!

Get the Full Story on the NEW

DEODORIZED APCO 140

Newest Solvent in the Industry
To SPEED UP YOUR SERVICE . . .
SAVE MAN HOURS . . . INCREASE PROFITS!

REFINERS OF STOD-SOL
AND DEODORIZED APCO 125

ANDERSON-PRICHARD
OIL CORPORATION
OKLAHOMA CITY, OKLAHOMA

NEW "AD"-a-BiB

Patent Pending

TURNS POLY BAGS INTO 2-WAY ADS

YOUR AD FRONT and BACK

and "AD"-a-BiB brings added service to customers—time and money savings to you!

Coming or going, more customers and prospects see your name and advertising message with new, attention-catching, full-color "AD"-a-BiBs. These new advertising slip-over bibs, printed two sides, show right through the front and back of your poly bags . . . shows your name, shows your ad. Each completed cleaning job represents a valuable two-way walking billboard. And "AD"-a-BiBs also offer customers an important added service by protecting collars from dust and smudges.

"AD"-a-BiBs are your least expensive, most effective means of advertising . . . they sell more, because they are seen more—and they save you valuable time and money by eliminating the need of costly tissue around collars and printing of plastic bags—all the advantages of plain poly, plus the benefits of printed poly.

KWIK-KOVER TIE-BELT HANGEMS . . . made to save packaging and production time—each tie and belt remains one piece for easier assembly and inspection—no pinning, no taping, yet ties and belts can never fall off—the ideal good-will builder, customers love them—available with poly bags.

KWIK-KOVER HANGER COVERS . . . turns ordinary hangers into valuable sales reminders by keeping your name and service before your market—carries your name on one side, your sales message on the other—builds prestige by adding to the appearance of your package.

See Us at the N.I.D. Convention — Booth 153

KWIK KOVER SALES COMPANY
410 North Kedzie Avenue • Chicago 12, Ill.

every other retail and service operation, is discriminatory and makes the ordinance invalid.

# #

Public Service: A recent Blood Mobile tour of the 18-county area around Hazleton, Pennsylvania, was made even more successful when seven members of the family and staff of John Pachence, Empire Cleaners, Hazleton, donated their blood.

Mr. Pachence, general chairman of the drive, noted that the visit netted 340 pints of blood, the largest ever in his area. He added that this is one indication of the service drycleaners can render in performing "worthy, charitable acts toward their communities."

Another drycleaner to make headlines recently is James Barnett, new president of the Venice (California) Chamber of Commerce. Jim and his wife, Gerry, have for many years been active in community affairs in Venice, particularly in running the "Patch Work Theater," according to the Venice newspaper.

Explaining that they operated the theater workshop to keep the community's kids off the streets, Jim and Gerry can point with pride to such other civic services as working with local choral and concert groups.

# #

Offer Dyeing Information: The Garment Dyers Guild of America recently released a newsletter of short items about dyeing for use on women's pages in nationwide consumer publications.

"What Americans Don't Know About Garment Dyeing" has been distributed with a special note to editors that additional "how-to" features on garment and furnishings redyeing can be obtained by contacting the Guild information director, Burton Halpern, 550 Fifth Ave., New York 36, N. Y.

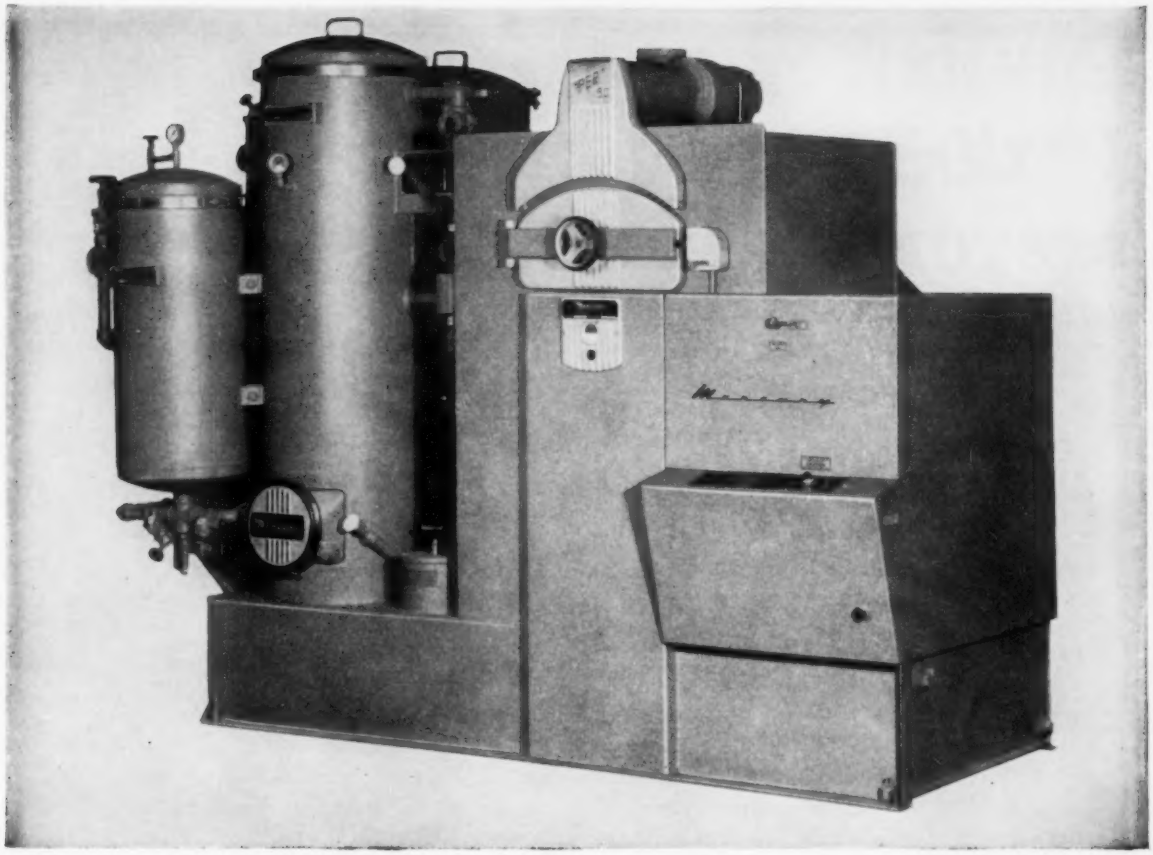
# #

Location Study Published: An authoritative study of retail business site selection and business volume estimates, titled "The Selection of Retail Locations," has recently been published by F. W. Dodge Corporation, New York.

Compiled by a leading real estate economist, Richard L. Nelson, the 422-page analysis deals with problems of selecting the proper location for maximum retail results and methods of estimating these results.

The book is divided into five major sections: the influence of location on

Continued on page 188



Per 50 designed to provide the finest cleaning with maximum solvent mileage, lowest operating and maintenance costs.

mercury numatic

Progressive cleaners are modernizing the Mercury Lease-Purchase way. Frees working capital. $45.-$50. per week for Per 50 above.

Per 50 pictured above is fully automatic, with dry load capacity of 45–50 lbs. per load . . . $2000 to $2500 weekly volume.

New Clover-Leaf Muck Stripper attached to 2000 GPH Monel Tubular Filter "valves away the muck" . . . reduces filter pressure for fast solvent flow. Eliminates chore of cleaning filter. Over 10,000 lbs. mileage per drum of Perc.

New Automatic Still provides greater capacity with no "foam-over," no "surge."

New Twin-Disc Fluid Drive controls acceleration for smoother operation. Reduces vibration and maintenance.

New Heavy Duty Transmission with double belt drive.

Mercury solvent reclaiming tumblers, optional.

Petroleum units also available . . . 140F or Stoddard solvent.

Over 4600 Successful Mercury Owners in 49 States

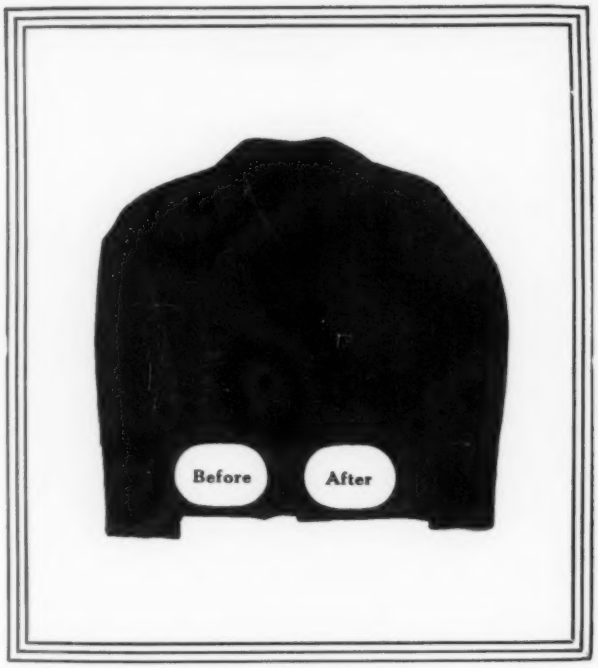
Booths 474 & 475 at N. I. D. Convention, Atlantic City, March 5-8.

See our new Polyethylene Packaging Machine.

MERCURY CLEANING SYSTEMS, INC.

1817 Benson Avenue, Evanston, Illinois • DAvis 8-0710

LEATHER RESTORED AND ENRICHED BY *Colorflex*



Superior results are obtained with the use of Colorflex in restoring grain leather garments to their original state of usefulness and appearance. This is because Colorflex is a type of leather finish used by leather goods manufacturers.

Colorflex, if correctly applied, recaptures the finish that was the pride of the tanner and dyer of the leather from which the garment was originally made.

Grain leather garments properly refinished with Colorflex will not crack or peel under any climatic condition. They retain all the flexibility and feel of virgin leather, will not rub or crack, remain fast to light and may be dry cleaned without loss of color any more than newly purchased garments.

Colorflex is available in twelve colors, including black and white. They are mixed with water and applied with a sponge, brush or compressed air gun.

Colorflex Top Finishes are extremely flexible lacquers in gloss and dull tones, applied with air gun as a sealing coat and imparting water repellent qualities to the finished leather.

Write for special bulletin on
CLEANING AND FINISHING OF LEATHER

DISTRIBUTORS EVERYWHERE

Established in the year 1838

EATON CHEMICAL AND DYESTUFF COMPANY
1490 FRANKLIN ST. • DETROIT 7, MICHIGAN • *Canadian Plants: Windsor and Toronto*

UNSURPASSED SHIRT FINISHING

with these TWO NEW MOST WANTED FEATURES

ON THE 2 GIRL 3 PRESS

Glide-O-Matic®

SHIRT FINISHING UNIT BY

UNIPRESS®

TWO NEW GEMS on the UNIPRESS Glide-O-Matic 2 girl, 3 press shirt unit give you more shirts per hour with the finest quality finish available anywhere. *First* is the UNIPRESS Model MSA One Lay Double Sleever which automatically measures each sleeve length for perfect pressing every time. *Second* is the new yoke ironing feature of the BAS Cabinet Bosom and Body Press, which automatically presses the full yoke while operator is making lay on the bosom and body form. Add all the other outstanding UNIPRESS features and you have the most advanced shirt finishing unit on the market today. Your choice of seven beautiful decorator colors. See your Unipress distributor or write today for complete information. Remember, UNIPRESS LEADERSHIP PUTS YOU YEARS AHEAD.

FOR FINER FINISHING FASTER IT'S . . .

THE UNIPRESS COMPANY 2814 Lyndale Ave. So., Minneapolis 8, Minn.

THE ABOVE EQUIPMENT IS ON DISPLAY AT THE N.I.D. CONVENTION

THIS NATIONAL ACCOUNTING MACHINE handles many accounting jobs with speed and efficiency.

ROGER P. FOUSSARD, Vice President, Model Cleaners.

THIS NATIONAL CASH REGISTER automatically prints complete record of all transactions, giving control over all money handled.

"Our *National* System saves us $7,900 a year... pays for itself every 12 months!"

—**Model Cleaners,** *St. Paul, Minn.*

"Several years of experience have convinced us that our National Cash Registers play an important part in providing us with the protection and information necessary for efficient and successful Cleaner and Laundry operation." writes Roger P. Foussard, Vice President, Model Cleaners.

"We mechanically safeguard every cent taken in. Compulsory issuance of a printed cash register receipt to each customer assures us of maximum control.

"We also use a National System in our Bookkeeping department. Our National Accounting Machine handles our Accounts Receivable, Accounts Payable, and Payroll. As a result, our accounts are always current and in balance.

"We feel our National System saves us $7,900 a year, returning our initial investment yearly."

Vice President, Model Cleaners

Your business, too, can benefit from the time- and money-saving features of a National System. Nationals pay for themselves quickly through savings, then continue to return a regular yearly profit. National's world-wide service organization will protect this profit.

1884 National 75 YEARS 1959

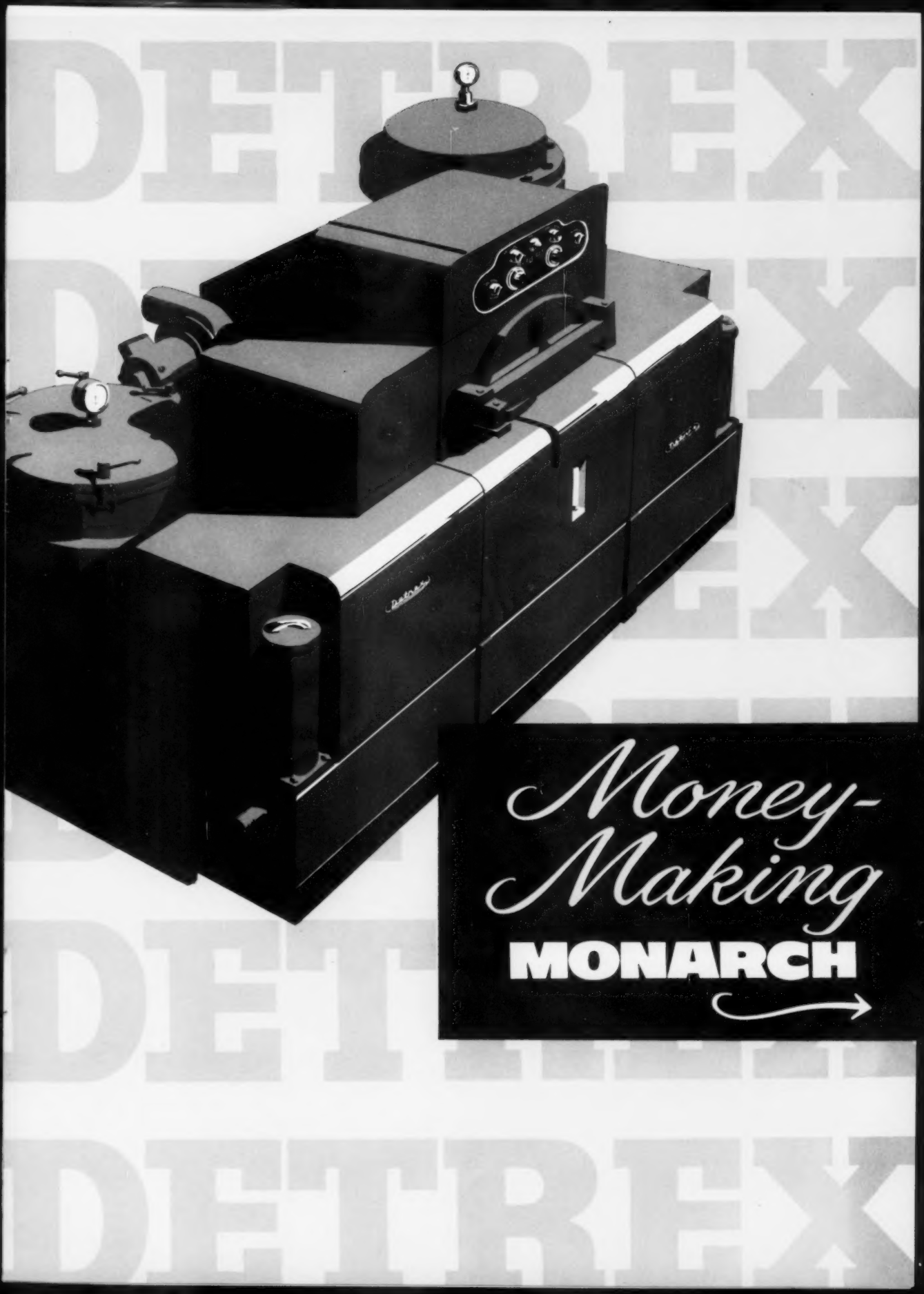
*TRADE MARK REG. U. S. PAT. OFF.

National*

CASH REGISTERS • ADDING MACHINES
ACCOUNTING MACHINES
NCR PAPER (NO CARBON REQUIRED)

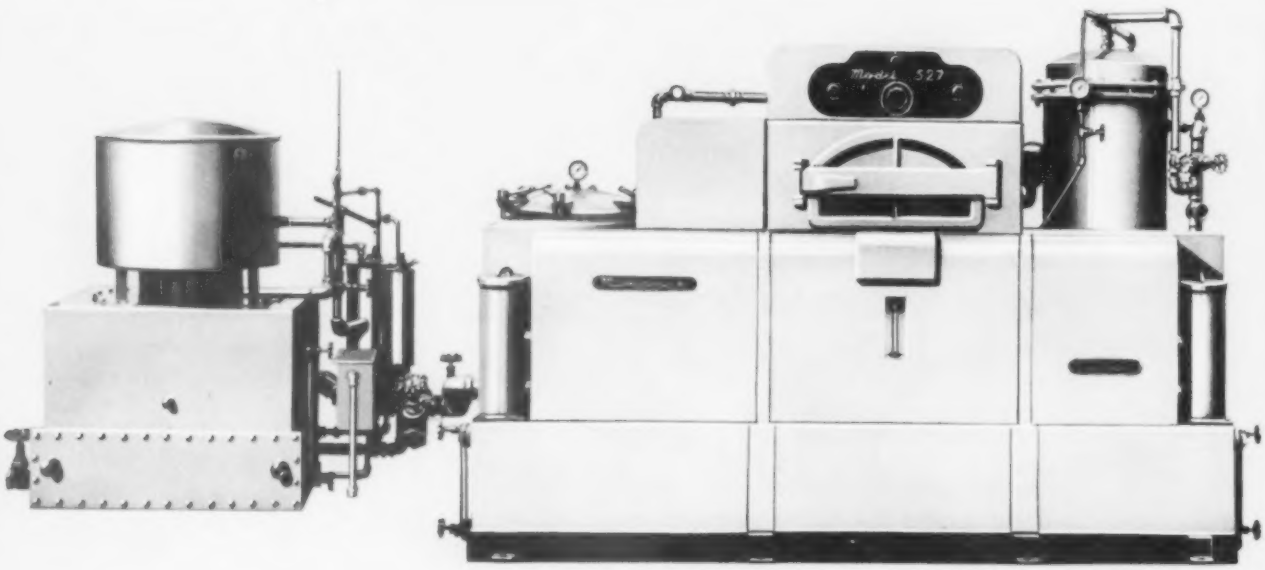
THE NATIONAL CASH REGISTER COMPANY, Dayton 9, Ohio

1039 OFFICES IN 121 COUNTRIES • 75 YEARS OF HELPING BUSINESS SAVE MONEY


DETREX
Money-Making
MONARCH

The Mighty DETREX Single-Bath

A Big Sales Leader Because It's a Big

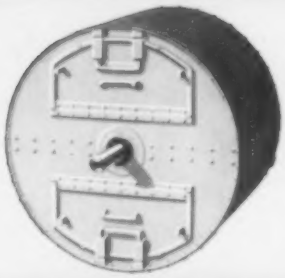


"Once a Detrex owner, always a Detrex owner." The Detrex Monarch Single-bath model 527, shown here, is one of the principal reasons.

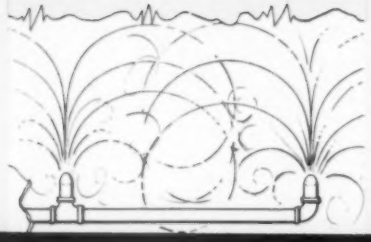
Its sturdy, quality construction assures a long lifetime of smooth dependable operation. Its simplicity of design and automatic cleaning cycle make for time-saving operation and service. Its divided cleaning drum provides double cleaning action. Its high-rated filtration and distillation system keeps solvent really clean, reducing the need for re-runs, wet cleaning and spotting.

With up to 140 lbs. hourly capacity, the mighty Monarch meets the needs of all but the largest operators. Also available in two-bath model 527-S.

Famous DETREX Features Pay Off in Performance and Profit



Divided Cleaning Drum, an outstanding Detrex feature, divides the garment load into two parts. Garments get much more exposure to solvent with increased lifting, squeezing, draining and dropping action.



Automatic Tank Sweep, another Detrex exclusive, eliminates costly down time and the tedious job of tank cleaning. It is completely automatic in operation and requires no operator attention.

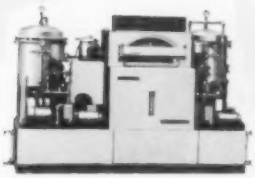
Stedy-Flo Tubular Filters – A layer of filter powder is formed on the outside of fine mesh tubes after each wash cycle. You add filter powder once each day, filter is backwashed and drained at end of day.

Monarch

Profit Maker

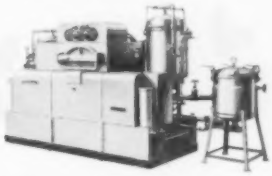
Detrex Synth-O-Saver Model 326A—miracle, solvent-saving, time-saving, money-saving unit—is completely automatic in operation. *Just set it and forget it.* Steam injection, steam and water shut-off and time cycle are controlled automatically. Basket capacity, 35 lbs. Recovery time, 12 minutes. Recovery efficiency 95-98 per cent.

The Industry's Most Complete Line of Money-Making Equipment



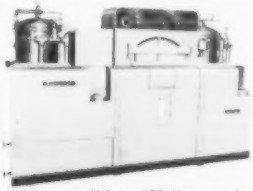
Coronet—60 to 80 lbs. per hour. Single-bath and two-bath models.

Synth-O-Saver—Automatic and standard models. 35 and 50 lb. capacities.



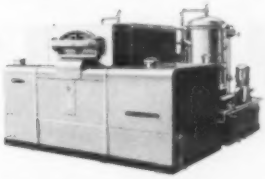
Monarch—100 to 140 lbs. per hour. Single-bath and two-bath models.

Dialamatic—controlled conveyors for drycleaning and laundry bundles.

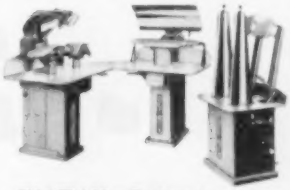


Diplomat—150 to 200 lbs. per hour. Single-bath and two-bath models.

Presses—A complete line of air and foot operated models for every pressing need.



Ambassador—Over 250 lbs. per hour. Single-bath and two-bath models.



Shirt Finishing Equipment—one girl units and cabinet units.

CLIP OUT AND MAIL FOR MORE INFORMATION

"I'm glad I sent in my coupon"

Mr. Rudolf Preissendoerfer of Clean Rite Cleaners, 3803 Jackman Road, Toledo, Ohio received prompt and courteous attention when he submitted an inquiry. His Detrex distributor, after careful study, ascertained the plant's equipment requirements, arranged all financing, installed the equipment and did not leave the premises until Rudy and his son, Jerry, understood every function of their new machine.

DETREX CHEMICAL INDUSTRIES, INC.
Box 501, Detroit 32, Michigan

Please send me the following literature:

- ☐ Drycleaning Catalog
- ☐ Press Literature
- ☐ Shirt-finishing Literature
- ☐ Conveyor Literature
- ☐ Send me information on the lease plan.

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

When you "Do Business" with DETREX you benefit in many important ways

SPECIALIZED FACILITIES

The big Detrex plant at Bowling Green, Kentucky, was built, equipped and staffed for one purpose – production of dry cleaning equipment.

ADVANCED ENGINEERING

It is well known that the drycleaning industry's most advanced developments have been introduced by Detrex engineers.

PLANNED PRODUCTION

Every facility in the Detrex plant is designed to produce the finest quality drycleaning machines at the lowest possible price.

QUALITY CONTROL

At every step in the manufacture of a Detrex machine – from raw material to finished product – thorough inspections assure top quality.

RECOGNIZED RELIABILITY

Detrex dependability is a matter of record in thousands of drycleaning plants. This efficient, trouble-free operation means more work volume and more money in the bank.

ONE SOURCE OF SUPPLY AND FINANCING

Detrex not only supplies all the equipment you need to operate a most efficient plant – it will finance this equipment on a most convenient and economical "pay-as-you-grow" plan.

LIBERAL LEASE PLAN

Operators can start or expand their business with a minimum of capital outlay under the Detrex liberal equipment lease plan. Included is an option to purchase at any time desired.

INSTALLATION FOLLOW-THROUGH

"Sell it and forget it" has no place in Detrex equipment sales plans. Distributors and factory experts will gladly assist in installation supervision and operational follow-through.

BUSINESS REPLY CARD
No Postage Stamp Necessary if Mailed in The United States

FIRST CLASS
PERMIT NO. 9288
Detroit, Mich.

5c POSTAGE WILL BE PAID BY –

DETREX CHEMICAL INDUSTRIES, INC.

BOX 501, DEPT. C-900

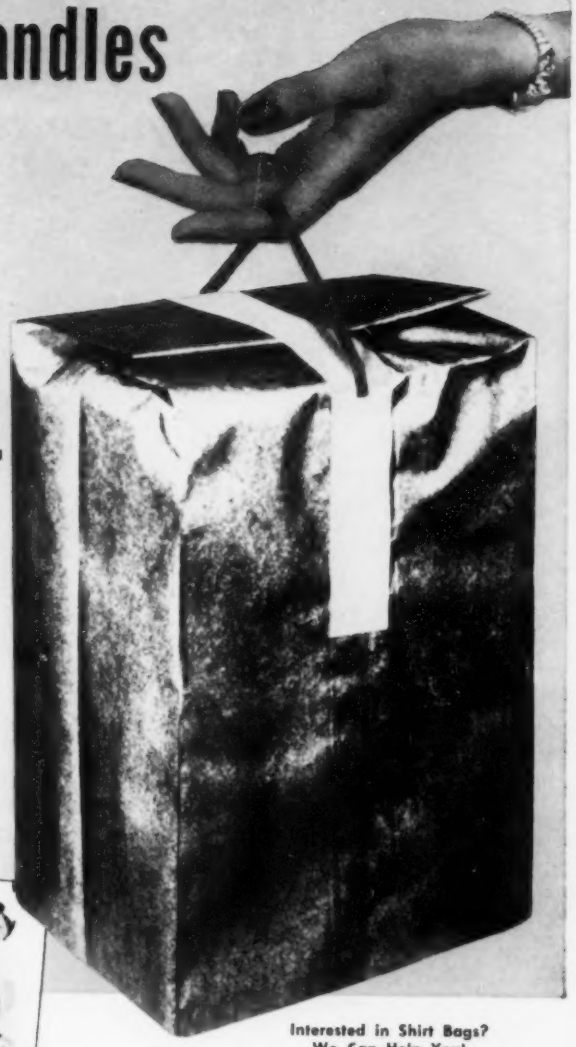
DETROIT 32, MICH.

Mail this Post Card TODAY

for complete information on Detrex equipment, financing terms or leasing plan. Just fill in and mail, no postage required.

DETREX
CHEMICAL INDUSTRIES, INC.
BOX 501, DETROIT 32, MICHIGAN

CARRY·PACK® handles add profit to every shirt package...



CUT PACKAGING COSTS!

Carry•Pack costs less than a cent . . . eliminates expensive, messy string. Stops waste.

FASTER, EASIER TO USE!

Carry•Pack gives you a smart new package . . . faster . . . attaches order tickets in one operation.

EASY TO CARRY!

Customers love the convenience of Carry•Pack. Fashionable shops save money with Carry•Pack, too.

Interested in Shirt Bags? We Can Help You!

DISPENSERS LOANED FREE!

MAIL COUPON NOW!

Visit us in Booth 108 at the N.I.D. Convention

NCD-39

CARRY • PACK COMPANY, LTD.
Schiller Park, Illinois

Canadian Licensee: Top Paper Products Limited, Guelph, Ont.

Gentlemen: I am interested in Carry-Pack Handles.

- ☐ Please send free, 10 day trial in _____ color.
- ☐ Please send literature and samples. No obligation, of course.
- ☐ Where to buy shirt bags to go with your handles?

Name _____

Company _____

Address _____

City _____ Zone ____ State _____

CARRY•PACK®
SCHILLER PARK, ILLINOIS

AMAZING PERFORMANCE

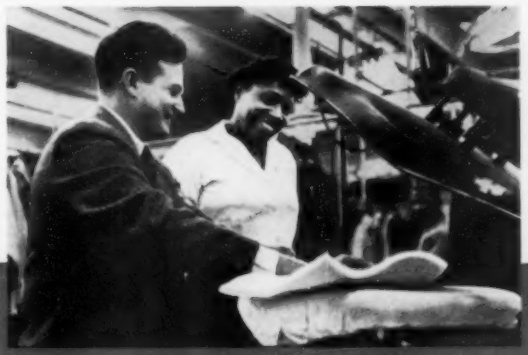
"Our **NYLOPRESS** pads give about 16 weeks' service on a dry-cleaning press... 7 weeks on a collar and cuff press!"

—**LENNY ROSE**
Rose Cleaners
Mount Kisco, New York

NYLOPRESS PADS *by*

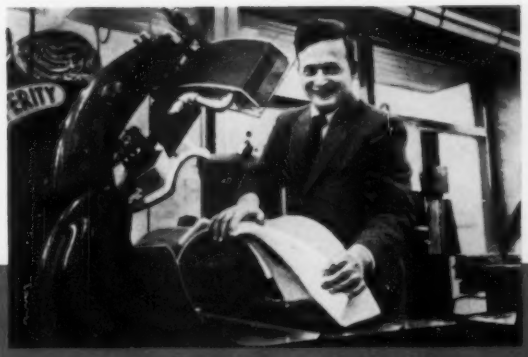
American Felt Company
TRADE MARK

with NYLOPRESS* PADS



"FAR FEWER REPLACEMENTS . . .

"Heavy-duty NYLOPRESS pad on this hot-top press retained its resiliency for more than 16 weeks. Steam penetration is superior . . . fabrics don't shine!"



"GREATER ECONOMY . . .

"Equipped with NYLOPRESS, this collar and cuff press averages 3600 shirts per week . . . remains resilient after 6-7 weeks of daily use," Mr. Lenny Rose reports.

"MADE FOR THE TRADE . . .

"Heat-resistant NYLOPRESS is available in standard trade widths up to 54 inches, or can be supplied to meet special requirements." Ask your distributor for full details!

"CUSTOMERS ARE HAPPY, TOO!"

A successful business like the Rose Brothers' plant is built on customer satisfaction. Now you can combine better service, peak efficiency — with NYLOPRESS!

finer performance—
greater economy . . .
NYLOPRESS

. . . in standard widths
or special sizes!

*T.M. American Felt Company

GET THE FACTS
FROM YOUR DISTRIBUTOR
or
MAIL THIS COUPON TODAY!

AMERICAN FELT COMPANY, Glenville Rd., Glenville, Conn.

Gentlemen: X-1

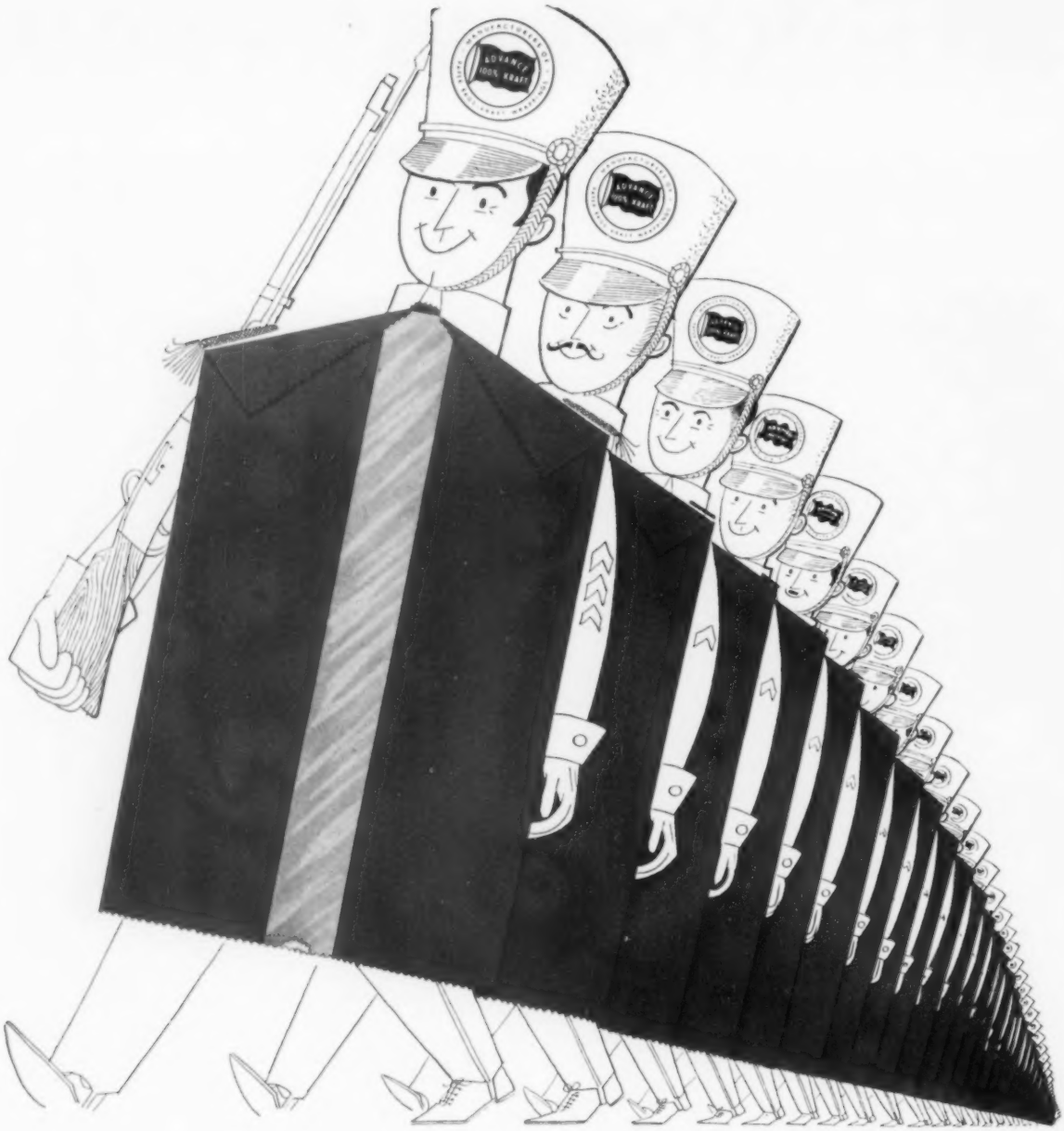
Please rush information about cost-saving NYLOPRESS pads.

Name_____

Company_____

Type of Plant_____

Address_____



Keep your service in step with progress...

with PAPER-VUE by Southern Advance

Paper-Vue offers double convenience, combining the see-thru qualities of plastic with the breathing properties of paper. Your customers' clothes are protected from mildew, soiling and fading — and kept in fresh-press shape. And to give your sales message greater appeal, Paper-Vue prints with clear, clean definition. *Sell your service with the see-thru beauty that breathes—order Paper-Vue today!*

Wrap up your reputation with Advance!

SOUTHERN ADVANCE BAG OPERATION **CONTINENTAL CAN COMPANY**

530 Fifth Avenue, New York 36, N. Y.

NOW! *Super-fast* EVAPORATION and LOW ODOR with

ESPESOL® DriRex

EXCEEDS ALL STODDARD SPECIFICATIONS!

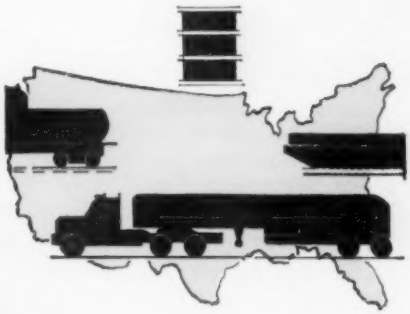
- **EVAPORATION** – Over twice as fast as regular Stoddard solvent.
- **ODOR** – Extremely low
- **COLOR** – Crystal clear
- **FLASH POINT** – 100°F plus
- **APPROVED** by National Institute of Drycleaning

NEW ESPESOL DriRex helps you with two big problems — increasing your net profits and improving customer relations. Because of its extra-fast evaporation rate, DriRex increases plant throughput giving you added production. And because residual odor is practically non-existent, your customers will be happier . . . better satisfied! Ask your solvent distributor today about the superior performance of ESPESOL DriRex, or write directly for complete information.

Complete stocks are available for super-fast delivery from Eastern States' strategically located terminals — by truck, tank car, barge and drum.

OTHER ESPESOL SOLVENTS

ESPESOL 300 – Regular Stoddard Solvent
ESPESOL 320 – Regular Stoddard Solvent where High flash point required
ESPESOL 350 – 140° F. flash point



ESPECO

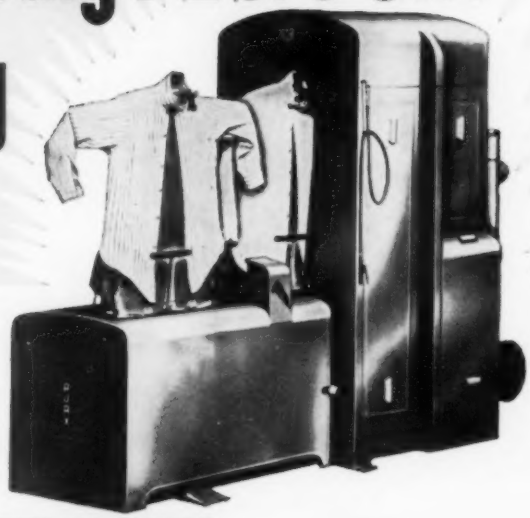
EASTERN STATES PETROLEUM & CHEMICAL *Corporation*

(Formerly Eastern States Chemical Corporation)

Post Office Box 5008 — Houston 12, Texas — Phone WAlnut 3-1651
Chicago Office: 1011 Lake St., Oak Park, Illinois, Phone VIllage 8-5410
New York Office: 10 Rockefeller Plaza, New York, Phone CIrcle 7-2520
Cleveland Office: 20800 Center Ridge Rd., Cleveland, Ohio, Phone EDison 3-0188
Louisville Office: 4th and Broadway St., Louisville, Ky., Phone JUniper 3-7634
Atlanta Office: 3121 Maple Drive, N.E., Phone CEdar 3-3227
Los Angeles Office: 110 S. Euclid, Pasadena, Phone RYan 1-0278

U. S. TERMINALS:
Houston, Texas
Chicago, Illinois
East Liverpool, Ohio
Madison, Indiana
Brownsville, Texas
Savannah, Georgia
Carteret, New Jersey
Los Angeles, California

Here at last! The Amazing New AJAX DOUBLE-BUCK CABINET BOSOM BODY PRESS... Outproducing Any 1-2 or 3 Girl Shirt Finishing Unit Ever Built



So New, so Revolutionary ..... it makes all other shirt finishing methods old-fashioned!

- The exclusive AJAX Expanding Buck fits every shirt, consistently insuring the finest shirt quality, anywhere.
- Flexible and Versatile, it can be used as a 1, 2, or 3 girl unit, to handle volume variations.
- Compact, 10′ x 10′, it requires little more valuable work area than one girl units.
- Interchangeable shirt bucks, an exclusive AJAX feature, handles boys', ladies', and military shirts.
- Ajax Double-Buck turns out more shirts than any 1, 2, or 3 girl unit ever built.

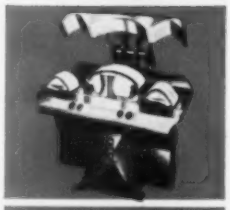
Look Ahead Only AJAX can increase your profits beyond the capabilities of conventional units. Put AJAX to work for you. Contact your AJAX representative, or write directly to AJAX, Box 449, Salt Lake City, Utah.

Since 1929

AJAX PRESSES

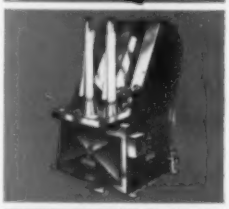
"A PRESS FOR EVERY PURPOSE"

619 S. 5th W. - Salt Lake City, Utah



MTH COLLAR & CUFF PRESS

2 Presses in 1 . . . high velocity heads . . . Presses collar while cuffs are being laid.



CABINET SLEEVE PRESS

Finishes both sleeves automatically. Features AJAX exclusive "MAGIC EYE" Seam Indicator for varying sleeve lengths.

FOLDING TABLE

Provides simple, fast operation. Full or semi-automatic models, with stand-up or lay-down collar blocks.

RELIABLE'S GREAT NEW
BRAND NEW
PACKAGED DRY STORAGE UNIT
AND
PACKAGED COLD STORAGE UNIT
ARE READY
AND WAITING
TO
PRODUCE REAL PROFITS
FOR YOU!
ACT QUICKLY!

SEE

DEVELOPED BY **RELIABLE MACHINE WORKS, INC., 231 EAGLE STREET, BROOKLYN 22, N. Y.**

INCREASE OUTPUT
IMPROVE QUALITY
and REDUCE COSTS
with this NEW . . . . "Fashioner"

AMERICA'S MOST ADVANCED AUTOMATIC STEAM-AIR FINISHER

"The biggest Profit Maker in my shop!"

Users all over the country report labor time savings up to 40% per garment with this new Model A-3 Adjusta-Form "Fashioner." Apply this 40% saving to your own cost and volume figures and see how much you can add to your profits!

HANDLES ALL TYPES

This New Model A-3 "Fashioner" is equally effective on all types of garments in both your Silk and Wool Lines: Short or long, large or small . . . men's, ladies', juniors' and boys' coats, jackets, topcoats; dresses of any type and material; blouses; sport shirts. Restores original feel and finish to both natural and synthetic fabrics.

Nylon bag expanded for full skirts, large sizes.

LOOK AT THESE FEATURES

TALLER FORM permits greater range of sizes. Maximum over-all height, 5 feet, 6 inches.

IMPROVED CONTROLS with easy-to-set dual timers. Improved type, non-breakable mercury switches are trouble-free.

QUICK ADJUSTMENT. Controls adjust shoulder width, waist and hemline sizes. Nylon bag fits snugly to all types and sizes of coats, dresses and men's sport shirts.

INSTANT MECHANICAL CONTROL. Press toe pedal for shaping bag. Leaves both hands free to adjust garment.

AUTOMATIC ACTION. "Step-O-Matic" toe pedal provides exactly the correct cycle of steam followed by air, or steam and air together.

REVOLVING FORMER makes tall form easy to reach at all points. Revolves full 360 degrees. Controls revolve with form.

REMOVABLE CLAMPS, back and front, foam rubber cushioned to prevent shine marks, creases and seam impressions.

You can see the Fashioner in operation at Booths #407-409 at the N.I.D. Convention in Atlantic City.

"Fashioner" AND *Adjusta-Form* ARE MANUFACTURED BY

WICHITA PRECISION TOOL CO., INC.

450 NORTH SENECA • WICHITA, KANSAS

LIGHT BRIGHT WHITES... LIGHT BRIGHT PASTELS WITH LIGHT BRIGHT

CALED PACE-PERK

- ★ *Light in color*
- ★ *Amazing spot removal*
- ★ *Only 1½% charge needed*
- ★ *High carbon soil removal*
- ★ *No filter pressure*
- ★ *Remarkable water solubilization*
- ★ *No lint or static*
- ★ *Easy to test*
- ★ *Use with or without water*
- ★ *Rinse or don't rinse*
- ★ *Safest for clothes and equipment*
- ★ *No stock emulsions needed —use raw water*
- ★ *Easy to distill*
- ★ *Dye build-up easy to control*
- ★ *Can be used with all moisture controls*

THE BEST CHARGE! ABSOLUTELY!

Pace-Perk and Perchlorethylene team together to guarantee easiest production of cleanest, fastest-finishing loads.

Perk Up Production–Perk Up Brightness with CALED Pace-Perk★

CALED

CALED PRODUCTS CO., INC.
BRENTWOOD, MARYLAND

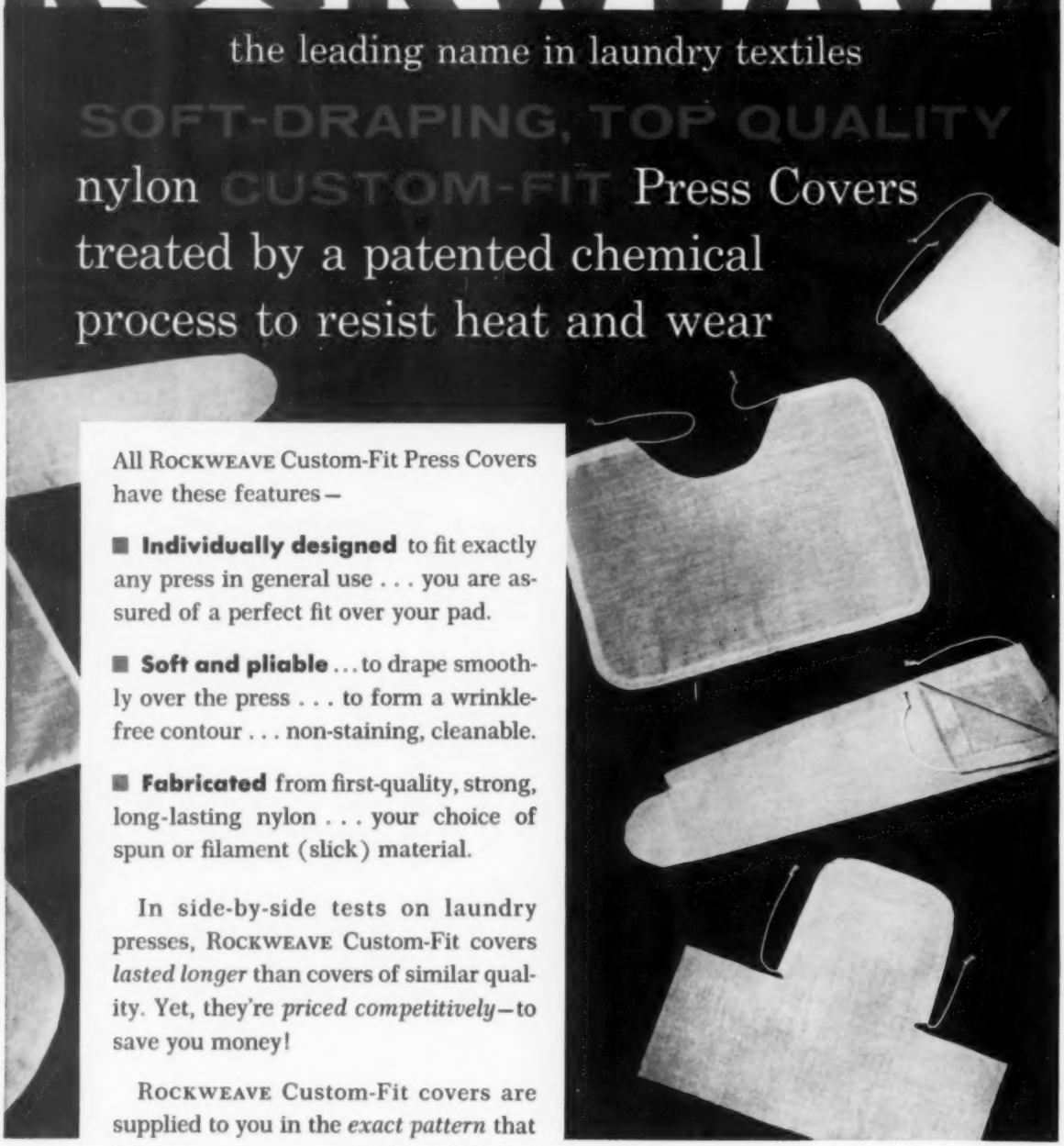
PIONEERS IN DEVELOPMENT OF SPECIAL SOAPS FOR SYNTHETIC SYSTEMS

ROCKWEAVE

the leading name in laundry textiles

SOFT-DRAPING, TOP QUALITY

nylon CUSTOM-FIT Press Covers treated by a patented chemical process to resist heat and wear



All ROCKWEAVE Custom-Fit Press Covers have these features—

- **Individually designed** to fit exactly any press in general use . . . you are assured of a perfect fit over your pad.
- **Soft and pliable** . . . to drape smoothly over the press . . . to form a wrinkle-free contour . . . non-staining, cleanable.
- **Fabricated** from first-quality, strong, long-lasting nylon . . . your choice of spun or filament (slick) material.

In side-by-side tests on laundry presses, ROCKWEAVE Custom-Fit covers *lasted longer* than covers of similar quality. Yet, they're *priced competitively*—to save you money!

ROCKWEAVE Custom-Fit covers are supplied to you in the *exact pattern* that fits your press . . . or will be fabricated from your own pattern. If you prefer to cut your own covers, ROCKWEAVE nylon material can be obtained in rolls. And you can get ready-made pads—cotton, nylon, asbestos—fabricated by ROCKWEAVE to fit your presses.

CALLAWAY MILLS

CALLAWAY MILLS, INC.
295 Fifth Avenue, New York 16, N. Y.

See you at N. I. D. Convention, Atlantic City—Booth 50!

Let's Talk $ense!

It is a positive fact that

U. S. Model

518-2

Blind Stitch Machine

In your workroom will finish more work, return more profits and create more customer good-will, because . . .

This ONE Simple Machine

U. S. Model 518-2

Does Many BIG operations:

HEMS

Dresses • Skirts
Coat Bottoms • Linings
Sleeves • Cuffs
Curtains • Bedspreads

TACKS

Trouser Cuffs

REINFORCES

Worn Spots

Trouble Free! It works perfectly on ALL materials: Silks, Synthetics, Woolens, etc.

***NOW** with U. S. you can give your customers Quality and Service at NO extra cost.*

U. S. BLIND STITCH MACHINE CORP.

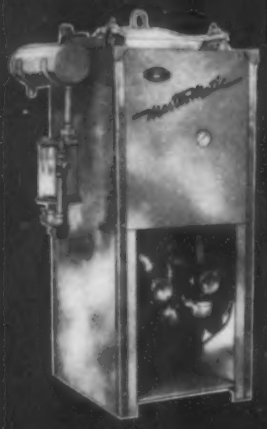
231 West 29th St., New York 1, N. Y. **LAckawanna 4-9144**

LET'S TALK DOLLARS AND SENSE

You'll CUT COSTS with *Excelsior* Specialty Equipment!

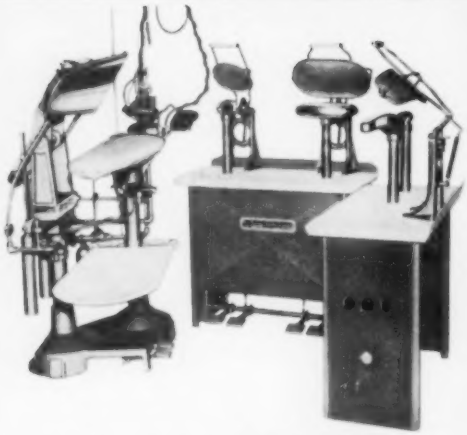
The All Purpose
ADJUSTA-FORM

Operates at convenient height, is equally effective on all types of garments, both silk and wool. Long, short, large, small . . . men's or women's coats, dresses, jackets. Gives nearly double production per hour over pressing machines.



MASTER-MATIC
Automatic Solvent Reclaimer

Automatically transfers and reclaims nearly 100% of the perc from the filter and still residue. Equally effective with any make filter. Adds up to 3,000 lbs. of dry cleaning to each drum of perc.



Excelsior "One-Girl"
SILK FINISHING UNIT

Recognized quality leader in the field. Provides the most efficient finishings with remarkable cost reductions. Designed and proportioned to fit the natural habits of operators. Ideal for both hard and soft fabrics. Gives finishing quality superior to hand ironing. Plant owners report up to 15 dresses per operator hour. Recommended layout requires only 7 x 5 ft. of floor space. Pays for itself in amazingly short time.

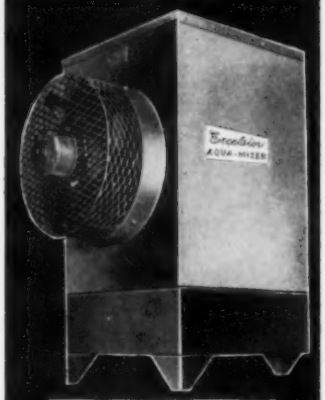
THE AMAZING *New* LITTLE GIANT "AIR-VAC"

Newest member of the Excelsior line. First major improvement in Air-Vac units in over a decade. Reduces steam consumption up to 50% to quickly pay for itself! Gives over twice the normal vacuum . . . yet is just half the size of conventional air-vacuum units. Handles up to three pressing units and can be installed in tandem for large plants. Improved vacuum means quicker drying . . . more pieces of finished work per hour and better quality, sharper creases and easier pleating. Installed on guaranteed satisfaction basis.

JUST $250 F.O.B. DETROIT

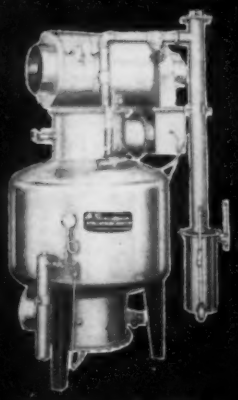
IN EVERY CASE . . .
THE PRICE IS RIGHT

See Us At The N.I.D. Show
BOOTHS 807-808-809



AQUA-MIZER
Combination Water Saver and Water Cooler

Reduces water cost 90%! All size models for all makes of equipment. Many plant owners have drastically reduced high water costs . . . eliminated low water pressure and sewage problems with this unit . . . the only one with a freezeproof indoor tank and thermostat.



The **VA-PER-MAT**

Saves you money by cutting perc-solvent costs in half! Traps and draws in Perc vapors reclaiming many extra gallons that have been previously expelled into thin air. Available in single and double units.

Excelsior Machinery Company

6175 VERMONT • DETROIT 2, MICHIGAN

TRIED...PROVEN...

THE *SENSIBLE* MOTHPROOFING...

U-SAN-O MOTHPROOF CLEANING SYSTEM

U·SAN·O

MOTH-MILDEWPROOFING

POWDER

with BUILT-IN DEODORANT*...

(*That combats perspiration odors* BETWEEN CLEANINGS)

CHECK THESE ADVANTAGES...

1. Ideal For Use In All Cleaning Systems.
2. Especially Recommended For "Perk" and Synthetic Solvent Systems.
3. A Complete 3-in-1 Product.
4. 25% to 30% More Effective.
5. Charged In The System — No Extra Labor Required.
6. Cannot Cause Odor or Build Up Filter Pressure.
7. Costs A Fraction Of A Cent Per Garment.
8. As Easy To Use As Filter Powder.
9. Less Storage Space — No Leakage.
10. Garments Treated By U-SAN-O Actually Insured Against Moth Damage By One Of The World's Largest Insurance Companies.

U-SAN-O Also Available in DRY SOLUTION with B.I.D.*

COMPLETE ADVERTISING PROGRAM TAILOR-MADE FOR YOU — mostly FREE! Includes; Wide selection of Day-Glo window streamers and standard frame-size posters; decals, counter cards, bundle stickers, button tags, mat service and radio copy.

Also available in regular U-San-O Methproofing Powder without built-in deoderant.

Available in 25—50—100—and 200 lb. containers.

ORDER THROUGH YOUR JOBBER

AMERICAN MOTHPROOFING CO.

2510 Hampton Ave. St. Louis 10, Mo.

Serving the Industry for 25 Years

* Built-In Deodorant — Pat. Pending

SEND TODAY — FOR COMPLETE DETAILS

AMERICAN MOTHPROOFING CO.
2510 Hampton Ave., St. Louis 10, Mo.

Gentlemen;

Please send copies of actual laboratory tests on these products.

Name .....

Address .....

City ..... State .....

EVERYTHING NEW WITH
NICHOLSON

SELF-BALANCING MASTER JET

see it at the show
ask **NICHOLSON** *for details*

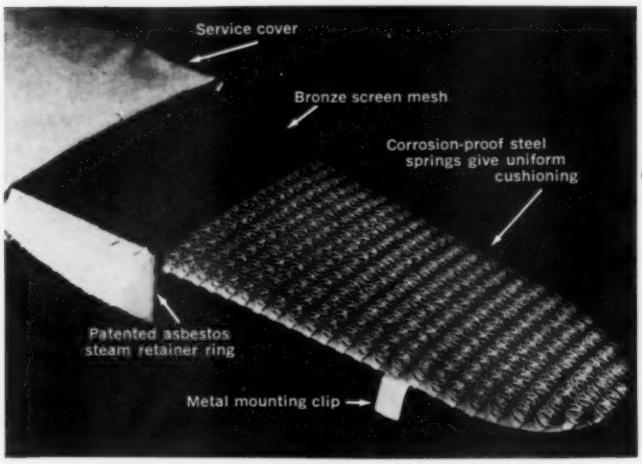
NICHOLSON
OF WILKES-BARRE

D-100

W. H. Nicholson and Co. • 13 Oregon Street • Wilkes-Barre, Pa.
Distributors in all principal cities

Not for a Month— Not for a Year—

Guaranteed FOR A LIFETIME!



"Perma-Pad" spring cushioning has been proven in over 20 years of laundry press service. Springs are securely fastened to a metal base plate which locks on buck. Asbestos retainer ring, furnished with "Perma-Pad", speeds steaming and vacuum.

THE NEW
ZEIDLER PERMA-PAD
Spring Cushion for Drycleaning Presses

- **Permanently resilient — can't bake or pack down! No hollow spots!**
- **Positively will not harm zippers and buttons.**
- **Full, open construction permits fast steam and vacuum action — saves time and money!**

The "Perma-Pad" is your newest time and work-saver from Zeidler — a spring cushioning *guaranteed** for the life of your drycleaning press, under normal operating conditions. Think of it! No more time wasted on replacing other types of paddings! Easily installed, the "Perma-Pad" can be padded with minimum material and covered with any style of service cover. Now available for most utility model dry cleaning presses. Economically priced — write for complete details.

*spring cushion only

Newest in the Fine Family of ZEIDLER Time and Work-savers for Drycleaners and Laundry Operators

ZEIDLER Manufacturing Company, Inc.
633 Concord Avenue, Mamaroneck, N.Y.

S-106

STOP at booth 276

...and see push-button poly-packing

2 QUICK-AS-A-WINK METHODS TO POLY PACK SHIRTS!

"SHOOT THE SHIRT" BAGS

Just push the button and deliver poly-packed shirts in seconds! Each SHOOT THE SHIRT poly bag is automatically dispensed and pre-perforated for instant, clean separation. With SHOOT THE SHIRT you can deliver single poly-packed items—or the whole family's laundry in an *accordion* package!

POLY POP-OUT SHIRT BAGS IN DISPENSER BOX*

Use one bag—and another's waiting for immediate use. This handsome, space-saving dispenser box fits on your counter or shelf—stores easily—holds convenient quantities of pre-separated poly bags! Because Poly Pop-Out Bags are dispensed as you use them, there is no waste.

*pat. applied for

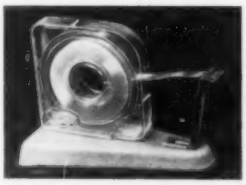
ALSO ON EXHIBIT—GREAT NEW RACK 'N ROLL! ***the only polyethylene garment bag made of POWERTHENE—twice as tear-resistant as any other poly film on the market—yet costs no more than ordinary bags! Just pull—snap off—and deliver poly-packed garments in 2 seconds!***

MODEL SIZE ROLLS

for smaller shops. Where space is short, rolls may be dispensed by special unit mounted on wall or guard rail.

NEW FAMILY PACKER

Use one bag for as many as 5 garments! Deliver a family's cleaning in a one-bag package designed to stand the strain!



SPECIAL! SAVE TIME WITH TAPE

New Sweepwing Tape Dispenser with revolutionary Cartridge Pack Cellophane Tape! Just slip in a cartridge and instantly you're ready to tape tickets, labels, records, posters—over 1001 uses!

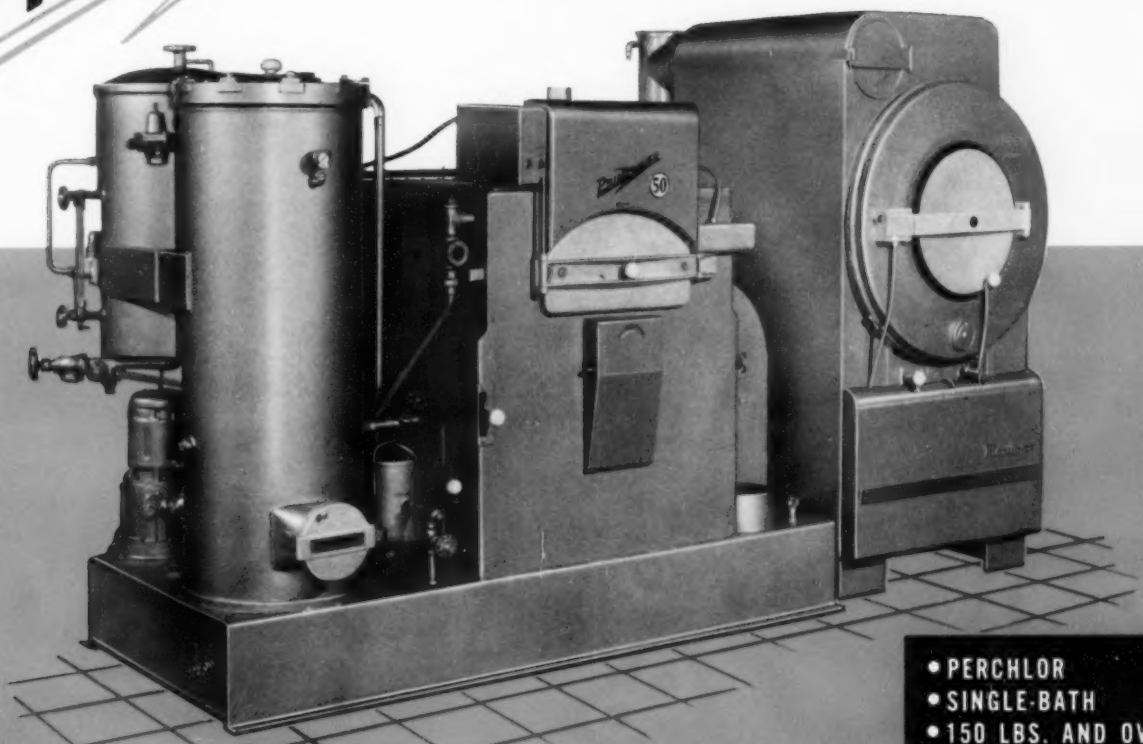
Stop at Booth 276 and Ask About Our Fantastic Low Prices!
Win New Customers—Earn Greater Profits—Join the Switch to Poly!

New products from the company that invented RACK 'N ROLL

TECHNICAL TAPE CORPORATION
240 North Ave. • New Rochelle, N. Y.

step up to the Manitowoc

PRIMELINER 50



- PERCHLOR
- SINGLE-BATH
- 150 LBS. AND OVER PER HOUR

BIG IN CAPACITY

50 LBS.

BIG IN QUALITY

FINEST PERCHLOR CLEANING

LOW IN PRICE..... $8990

F.O.B. MANITOWOC, WIS.

MANITOWOC ENGINEERING CORP.

(A subsidiary of The Manitowoc Company, Inc.)

MANITOWOC, WISCONSIN

MANITOWOC

PRIMELINER 50

biggest

NEVER BEFORE A MACHINE PACKED WITH SO MANY QUALITY FEATURES AT SO LOW A PRICE

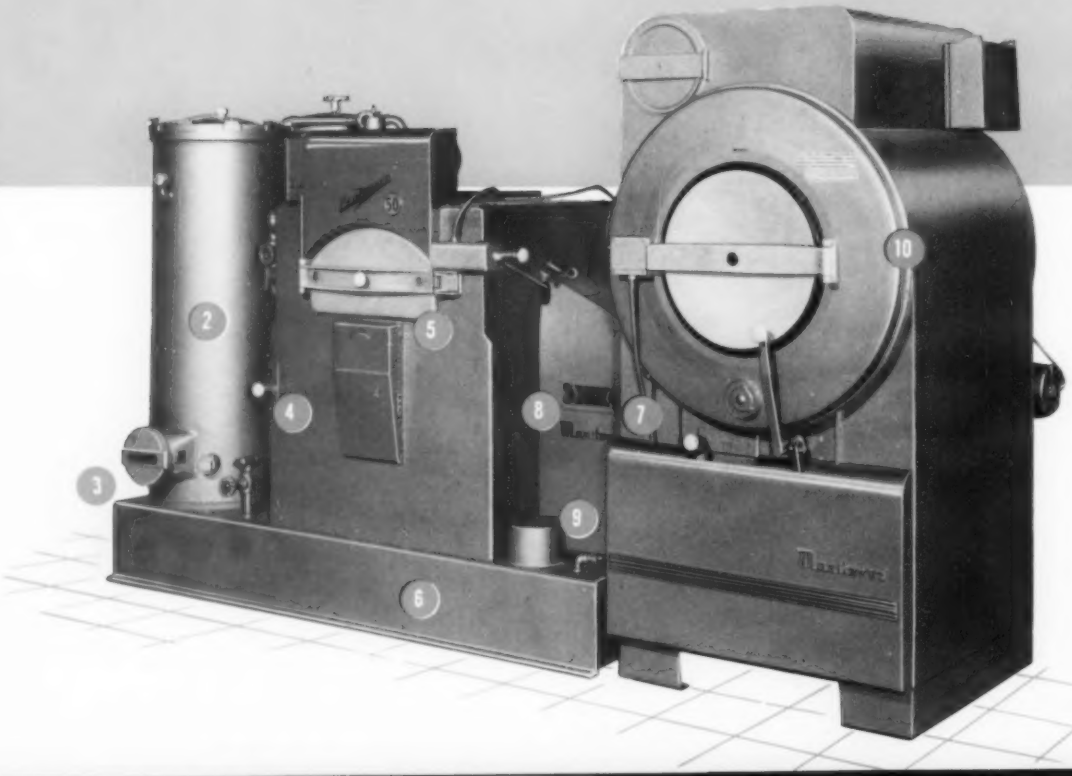
You'll get much more for your money with the all-new Manitowoc Primeliner 50 system. Yes, this low cost, 50 lb. Primeliner is made to order for modernizing older plants, for installation in new drive-ins and quick service stores... in fact, any dry cleaning plant with a potential up to $3000 per week.

Best of all, the Primeliner 50 lets you own a premium quality perc unit with the finest features in the industry for a realistic price. Look at the quality machine features shown at the right... features usually found only on the highest priced machine. Now they're *yours* with the inexpensive Primeliner 50.

Labor costs are lower, too, with your operator able to wait on trade or handle other duties because of the extremely simple operation of this system. And since the overall design is as simple as the operation, service and maintenance expenses are cut to the bone.

A real space-saver, the compact dimensions of the Primeliner 50 allow placement of the system in many locations previously thought too small for equipment with a 50 lb. capacity.

Start *now* to build a steady, repeat business with the consistently high quality cleaning put out by the Primeliner 50 .... and without emptying your bank account!



value for your money

1. **40 GPH "NO-SURGE-OVER" STILL*** returns only pure solvent to the system. This exclusive Manitowoc design thoroughly eliminates foaming-over or surging-over of dirty perchlor during distillation, a primary cause of solvent contamination.

2. **MANITOWOC-OLSON TUBULAR FILTER** has finest Monel screen tubes which greatly increase the filtering area and eliminate pressure build-up. Included in piping are 4-way valves with sight glasses for backwashing, filtering and blow-down of muck. Available in 2500 or 3000 GPH sizes.

3. **LARGE, ACCESSIBLE FILTER SLUDGE CLEANOUT DOOR** makes removal of air dried sludge a fast job, ready for the exclusive Manitowoc "Extra-Dry"† muck extraction method . . . proved to be over 90% effective in reclaiming solvent from sludge.

4. **SIMPLE DUAL CONTROL** makes any employee an expert operator. Each cycle of the cleaning process can be run to fit the type of load. Fully automatic control is available as an optional extra.

5. **BIG, SELF-ALIGNING DOOR** thoroughly seals in solvent and fumes. Rigid, divided washer-extractor basket handles a 25 lb. load (dry) in each pocket. A divided load means better perc penetration . . . less machinery wear and tear than from an open, eccentric load.

6. **HEAVY GAUGE, 140 GAL., BUILT-IN STORAGE TANK** with the original "anti-sludge build-up" agitator keeps muck in suspension for easy removal by filter.

7. **ACCURATE DUMP TIMER** has loud bell warning.

8. **PRECISE "AUDIOLARM" TIMER** for the wash-extract operation rings bell at end of cycle.

9. **SOLVENT INSPECTION PORT** of heavy duty, unbreakable glass shows condition and flow of solvent at a glance.

10. **SUPER-SPEED 50 LB. RECOVERY TUMBLER** gently tumbles garments while reclaiming perchlor at an amazing rate. Prime surface copper coils on the condenser and a low heat requirement contribute greatly to the solvent recovery record.

11. **SINGLE-LEVER BACKWASH ON FILTER** greatly simplifies filter cleaning and produces more effective filtration. Frequency of filter cleanout is substantially reduced.

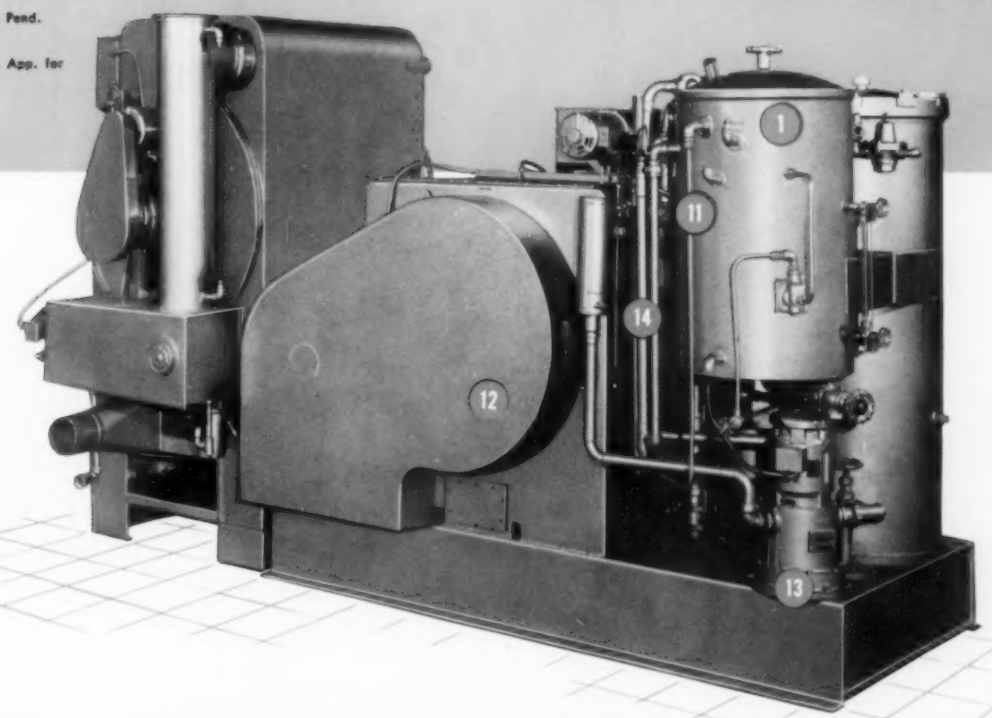
12. **SMOOTH-STARTING, QUIET RUNNING FLUID DRIVE** (behind shield) has an oil cushion between the 2 HP electric motor and the drive shaft to guard against starting shocks or overloads. Fluid drive reduces peak electrical loads; cuts maintenance expense. Sheet metal safety shield covers all moving parts.

13. **RUGGED 1 HP MARLOW SELF-PRIMING, CENTRIFUGAL PUMP** forces perchlor through entire system in a strong, steady flow with no clogging from pins, tags, or buttons. There's no chance of expensive solvent leakage at the pump shaft with the foolproof shaft seal.

14. **LARGE DIAMETER COPPER TUBING** assures free flow of solvent, a lifetime of use without trouble. With top quality copper tubing you're sure of lowest resistance and highest flow capacity.

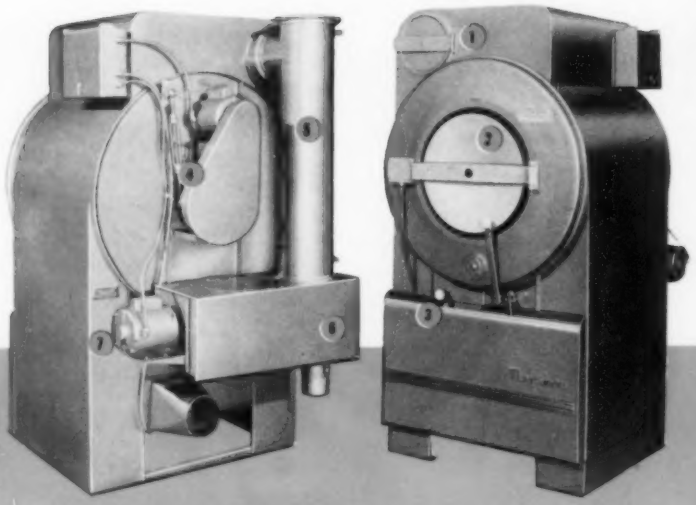
*Pat. Pend.

†Pat. App. for



PRIMELINER 50

recovery tumbler produces maximum solvent mileage



Highest solvent recovery, fastest drying time, lowest heat requirement . . . that's the box score for the greatest value in a perchlor tumbler today. And you get this fine solvent reclaimer as standard equipment with the Primeliner 50. Just look at these deluxe features: large 36"x 38" basket; huge 700 CFM air-flow volume and low heat requirements; best possible solvent recovery assured with large condenser built with prime surface copper coils; absence of fins in condenser eliminates lint problem; efficient lint trap with handy cleanout door; and greatest service accessibility, allowing entire unit to be worked on from the rear . . . no seals need be broken to cut down on reclaiming efficiency.

1. ACCESSIBLE LINT CLEAN-OUT.
2. SELF-ALIGNING, SPRING LOADED, TRU-SEAL DOOR.
3. PRECISE HEAT CONTROL.
4. DODGE "TORQUE ARM" DIRECT DRIVE IS SILENT, SAVES POWER.
5. BIG, "SOLVENT SAVER" CONDENSER.
6. LARGE VOLUME BLOWER AND SOLVENT COLLECTOR.
7. POWERFUL, DIRT-SEALED ½-HP EXHAUST MOTOR.

SPECIFICATIONS

WASHER - EXTRACTOR	
Cylinder Size	34" I.D. x 22"
Rated Load (Dry)	50 lbs.
Compartments	2
Wash Speed	34 RPM
Extractor Speed	475 RPM
Height	72"
Length	88¾"
Depth*	48"
Tank Capacity	140 gals.
TUMBLER	
Cylinder Size	36" I.D. x 38"
Rated Load	50 lbs.
Tumbling Speed	34 RPM
Blower Capacity	700 CFM
Steam Required	1 BHP
Height	76"
Length	39"
Depth*	57"
*Can be stripped down to	44"
FILTER (Type—Tubular)	
Capacity	2500 or 3000 GPH
STILL	
Capacity	40 GPH
Steam Requirement	2½ BHP
ELECTRICAL	
Drive Motor *	
Three Phase	2 HP
Pump Motor	1 HP
Exhaust Motor	⅓ HP
Tumbler Drive	¼ HP
Tumbler Blower	½ HP

*Fluid Drive

The Manitowoc Engineering Corp. reserves the right to make improvements in design and changes in specifications at any time without notice.

MANITOWOC

MANITOWOC ENGINEERING CORP., MANITOWOC, WISCONSIN

Show me how the low cost, high quality Primeliner 50 will improve my cleaning quality.

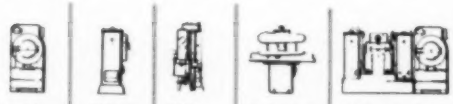
Name .....

Company .....

Address .....

City ..... Zone ..... State .....

Check below for more information on other items pictured:



Tumbler ☐ Filters ☐ Stills ☐ Finishing Equipment ☐ Perc and Petroleum Dry Cleaning Units ☐

Form No. 21-58

Litho. in U. S. A.

There's money in "On-Location" cleaning the **MULTI-CLEAN** way

And best of all, you don't have to look far, for these profit opportunities *are all around you* . . . right there in your own town!

For example:

Did you know that approximately 90% of the rugs and carpeting in *your town* have never been cleaned professionally?

Did you know that about 50% of the new homes in *your town* have wall-to-wall carpeting? So do scores and scores of older homes, offices, and other business establishments.

Did you know that it's possible for you to make up to $150 a day with two men by using the MULTI-CLEAN METHOD of "on-location" rug and carpet cleaning?

Did you know you can get into this wonderfully profitable "on-location" business for less than $1000 by following the MULTI-CLEAN METHOD?

Did you know that a factory-trained MULTI-CLEAN Representative will start you off right, will instruct you in the MULTI-CLEAN METHOD? Or that the MULTI-CLEAN Sales Aid Program will help you develop new business and keep old customers?

Don't let this unusual money-making opportunity slip by you any longer.

Whether you are considering it for the first time or are already doing some "on-location" work but haven't discovered the extra profits you can earn by using the MULTI-CLEAN METHOD, mail the coupon today for further information.

FREE RUG CLEANING MANUAL

Written especially for the professional rug cleaner. It describes the step-by-step procedure on how to clean carpets and rugs by the famous MULTI-CLEAN METHOD so you can do the kind of work that builds customer enthusiasm and brings repeat orders.

Why is MULTI-CLEAN *SYNTHE-CLEAN* the best and most economical Rug Shampoo you can use?

No shrinkage because *SYNTHE-CLEAN's* controlled wetting action doesn't soak the rug . . . *No after rinse* because no soap film is left . . . *Pleasant to use* because it's odorless . . . *Economical* because one pint, diluted, will clean carpet in average sized room . . . Eliminates need for much pre-spotting. *Guaranteed* to give satisfactory results.

MULTI-CLEAN PRODUCTS, INC., Dept. NC-23-39
2277 Ford Parkway, St. Paul 1, Minnesota

☐ Please send free Rug Cleaning Manual and information about the MULTI-CLEAN METHOD and how it can help me build a profitable rug cleaning business.

Send information on: ☐ Scrubber; ☐ Vac; ☐ Cleaning Chemicals; I understand I will be under no obligation.

Name _____

Address _____

City _____ Zone _____ State _____

Modern Drycleaner

DU PONT

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

Issued in the interest of all drycleaners by the Drycleaning Section, E. I. du Pont de Nemours & Co. (Inc.), Wilmington 98, Delaware, manufacturers of Du Pont PERCLENE perchlorethylene

WE USE DUPONT PERCLENE PERCHLORETHYLENE For Quality Drycleaning

CMA decision on "wash and wear" can mean more business for you

"CAN BE DRYCLEANED" LABEL will offset mistaken ideas about approved care for "Wash and Wear". Call your customers' attention to this label!

Permanent cloth label with wording "Can be drycleaned" opens up new sales opportunities

There's a great selling season ahead for you this spring with "Wash and Wear" men's and boys' clothes! The reason—many of these garments will have permanent cloth labels with the statement "Can be drycleaned".

This new "Can be drycleaned" label was adopted by the Clothing Manufacturers' Association (CMA) after meetings with leading clothing manufacturers and fabrics and fibers producers. Purpose of the label—to standardize care instructions and to dispel consumer doubts as to the drycleanability of these garments.

WHAT THIS MEANS TO YOU. Now official approval of your service for "Wash and Wear" is built right into the garment itself! Naturally, more people will dryclean these garments and your volume will increase. But for immediate sales you'll have to call customers' attention to the label . . . either verbally, with a sign in your window, or perhaps in your own advertising. *Customers need telling!* A recent Du Pont survey showed that 47% of the consumers contacted did not know "Wash and Wear" garments could be drycleaned.

EVEN MORE OPPORTUNITIES FOR USERS OF "PERCLENE". Customers automatically think of Du Pont when they think of "Wash and Wear" because of Du Pont's leadership in man-made fibers. Naturally, they'll prefer to have their garments cleaned with "Perclene" perchlorethylene made by the firm that *really knows* these fibers. Take advantage of this natural association. Use your "Perclene" emblem to let your customers know you use Du Pont's high-quality solvent.

Watch for Du Pont "Wash and Wear" drycleaning promotion that can help you capitalize on CMA label

Du Pont is planning a promotional program that can help you go after "Wash and Wear" business and take full advantage of the new CMA label. Du Pont's promotional materials will also tie you in as a user of "Perclene"—the only cleaning solvent that has a close, natural association with "Wash and Wear". Your distributor of "Perclene" will provide you with this sales "package" in plenty of time for your own promotion.

How to promote and profit with Du Pont's unique sales aids!

Du Pont is a name consumers know—a name that means highest-quality products to them. Recently Du Pont was dramatically linked to the drycleaning industry for an audience of over 30 million consumers by a commercial on the Du Pont "Show of the Month".

This commercial told how your industry developed over the years—how "Perclene" perchlorethylene speeded that development. But, more than that, this nationwide message established a broad base of recognition for your industry and the skills and services you offer the public. It's a base upon which you can continue to build sales with the prestige of the Du Pont name to help you!

Look over the Du Pont sales aids below. Each is unique among promotional materials because it helps build your *professional status* as well as identifying you as a user of "Perclene". As we all know, it's the "extras" we give customers that help create a preference for one establishment over another. Du Pont sales aids can help you build that preference!

"PERCLENE" EMBLEM—This handsome blue and silver emblem is weatherproof and can be displayed on the outside of your window or door—even on the side of trucks or other equipment. It tells customers you use the finest solvent for professional cleaning—"Perclene" perchlorethylene made by Du Pont. If you don't have an emblem, ask your distributor of "Perclene".

"PERCLENE" CUTS FOR YOUR LITERATURE, ADS—One- and two-inch cuts of the "Perclene" emblem are available to insert into your ads, telephone listings, or print on letterheads or bills. They tell customers at a glance that you give clothing professional care. Ask your distributor of "Perclene" about these cuts.

TWO FILMS ABOUT DRYCLEANING—Two motion pictures are now available for showing to your customers and friends at meetings and other group functions.

The first film is a 3-minute movie on the history of drycleaning—first shown to millions of TV viewers on Du Pont's "Show of the Month". This brief film dramatizes the beginning of your industry and tells how Du Pont's introduction of "Perclene" stimulated its growth and helped bring about modern-day drycleaning.

The second film *combines both* the 3-minute movie on the history of drycleaning and the popular 11-minute movie called "Two-Hour Miracle". This informative color movie presents a behind-the-counter tour of a modern drycleaning plant—shows the little-known, but important, steps you take to provide today's fast services and quality work.

One or both of these films can help increase your customers' awareness of the services you provide. Both are available from your distributor of "Perclene".

New store-hours decal for your door!

"When do you open in the morning?"..."What night do you stay open late?" Customers will find the answers to questions like these when you display Du Pont's colorful new store-hours decal with the "Perclene" emblem included.

No water needed to apply this decal . . . it's coated with pressure-sensitive adhesive. Just remove paper coating, press the decal against the outside of your door or window and then insert numbers. In seconds you have a good-looking, durable display piece for your store!

Ask your distributor of "Perclene" for the new store-hours decal today!

SEE YOU AT THE NID CONVENTION

Drop in to see us at Booths 204 and 205 at the NID Convention, March 5-8, in Atlantic City. We'd like to meet you and will do our best to help you. Incidentally, we can give you most of the sales aids mentioned above at the convention if you haven't got yours by then. See you there!

PERCLENE®

PERCHLORETHYLENE

DU PONT

REG. U.S. PAT. OFF.

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

E. I. DU PONT DE NEMOURS & CO. (INC.)
Electrochemicals Dept. • Wilmington 98, Delaware

Tests prove plants can increase output, lower costs with better steam trapping

by John W. Ritter, Test Engineer
SARCO Company, Inc.

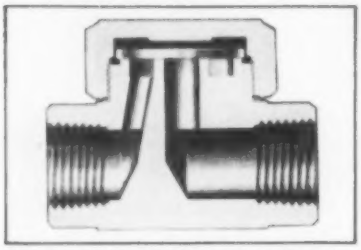
Surface cold spots on ironers and presses can run up production cost. Such trouble is often cleared up by the right steam trapping.

Because Sarco Thermo-Dynamic Steam Traps drain condensate and air out of steam spaces completely, their use has increased the output of many laundries and cleaning plants, cut fuel costs appreciably. Here are four typical cases:

At a military post laundry* in Virginia, sheets were leaving the flatwork ironers steaming. Tests showed cold spots on steam chest surfaces, temperatures ranging from a high of 325°F to a low of 310°F. When TD-50's were installed temperature rose to 330°F, work left the unit dry, and re-runs were eliminated.

Loss of live steam from traps was a problem with an institutional laundry* at Grand Rapids, Mich. Drying tumblers and ironers were running at low heat level, output was sluggish.

Sarco TD Steam Traps were then installed, resulting in an immediate production speed-up. Drying tumblers, for instance, were able to dry a load of towels 15 to 20 minutes faster.



Only 3 parts to a TD Steam Trap: Cap, disc, and body. Low in first cost, low in installation cost, low in maintenance cost.

When flatwork ironers showed a drop of surface heat of 45° below inkt steam temperature at a large commercial family laundry* in Brooklyn, they were equipped with TD Steam Traps. That stepped up their output 9.8%.

Again, in Texas City, Texas, a large laundry and dry cleaning company had heating trouble with 30 units. Faulty steam trapping was wasting steam. They replaced bucket traps with Sarco TD's and stopped steam losses. Output increased 10%.

In all four of these cases the trouble-free operation of TD's also effected reduction in maintenance time.

*Name and actual case-history on request.

The Sarco TD Thermo-Dynamic Steam Trap is self-adjusting, works perfectly on all working pressures and temperatures.

SARCO TD Steam Traps can make the difference between loss and profit

Equip your steam-heated laundry and cleaning units with Sarco Thermo-Dynamic Steam Traps. This production-planned steam trapping will watchdog your heated surfaces for uniform temperature.

If you are wasting valuable steam or if uneven surface temperatures are giving you loss of production and frequent re-runs, write for literature today.

60-DAY TRIAL CONVINCES . . . No cost or obligation
Prove the effectiveness of Sarco TD traps to your own satisfaction. Write directly to us for a Sarco TD and strainer on 60-day trial. Specify size. Buy only if you're completely satisfied. Sarco Company, Inc., 635 Madison Ave., New York 22, N. Y. Or contact your supply house.

5887-B

SARCO
COMPANY, INC.
635 Madison Avenue, New York 22, N. Y.

STEAM TRAPS • TEMPERATURE CONTROLLERS • STRAINERS • HEATING SPECIALTIES

Coast to Coast

NETWORK RADIO SPARKS NEWEST Stā★Nu PROMOTION!

GUNSMOKE

MOST POPULAR "WESTERN" ENTERTAINMENT
CBS RADIO
Sunday—6:30-7 P.M. (E.S.T.)

Again, Sta★Nu franchise holders will be offered one of the many exciting "firsts" in the dry cleaning industry. Participation in the Gunsmoke program will present the Sta★Nu story to millions of customers and prospects—*your* customers and prospects—provided you are a Sta★Nu franchise holder. But this isn't all. There will be beautiful posters, garment tags and syndicated material tieing in the popularity of Gunsmoke and the added value that Sta★Nu offers at no extra charge. For your use locally, there will be sparkling ad mats, handbills, mailers, radio scripts and a new radio transcription. All this adds up to real *impact* through the most progressive merchandising program Sta★Nu dry cleaners, or any other dry cleaners, have ever been offered.

All this... for you... if you act NOW!

This Sta★Nu program with all the attendant sales training materials and counseling services can only help you if you are a Sta★Nu franchise holder. And you can be, provided there is an opening in your territory and you meet the quality standards typical of Sta★Nu plants. We know, through more than seven years experience, that Sta★Nu—the program—the product—and the personnel—can mean money in your cash register through more sales, season after season.

Stā★Nu
PROCESS

For a fast draw for more sales, shoot us this coupon!

STA★NU CORPORATION
5101-15 North Sheridan Road, Chicago 40, Illinois

Gentlemen:
☐ Send information – pronto!

NAME _____

FIRM NAME _____

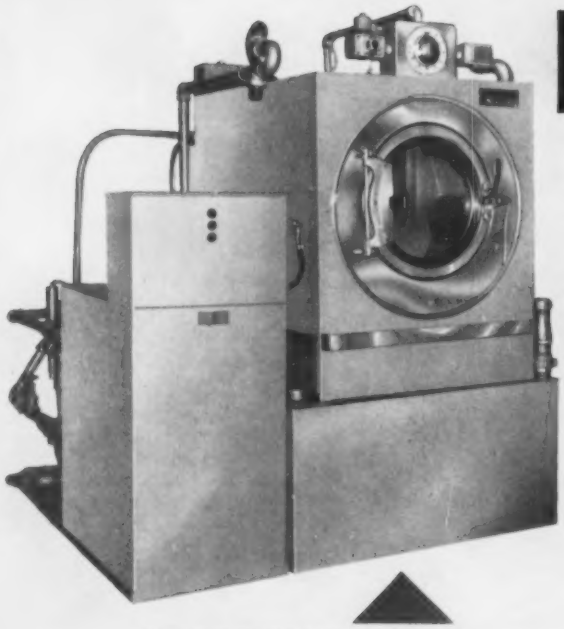
ADDRESS _____

CITY _____ STATE _____

HAMMOND

The finest name in automatic laundry and drycleaning equipment

"Equipment you can depend on for consistent high quality and proven performance."

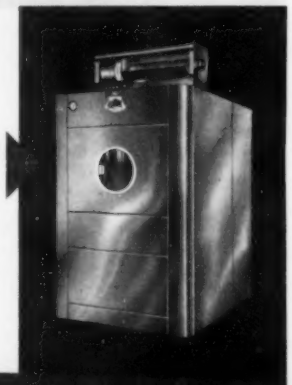


HAMMOND SINGLE BATH UNIT

Plant operators are amazed at the tremendous performance of the Hammond Washer-Extractor Drycleaning unit. Functionally designed . . . . masterfully constructed to insure a more thorough cleaning action . . . plus easy, fast operation . . . at less cost per load.

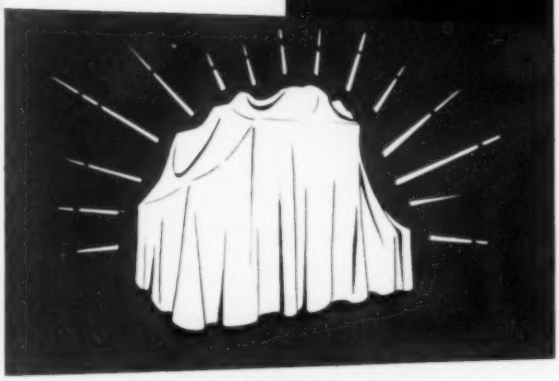
HAMMOND WASHER-EXTRACTOR COMBINATION

Beautifully engineered for superior washing results . . . . plus greater speed and less cost. Stainless steel construction . . . patented mechanical reversing drive, excellent extracting performance—absolutely vibration free with fully automatic controls. The finest in America for coin meter operation. Available in 25 lb., and 40 lb. capacities.



HAMMOND DRYCLEANING TUMBLERS

The new Hammond steam drycleaning cabinet tumbler is now more popular than ever. Actual plant tests prove this machine will thoroughly dry a full load faster than ever before. Features include steam spray, automatic fire extinguisher and damper. Explosion proof motor optional at extra cost.



Whatever your equipment requirements in '59, you can look to Hammond for the very finest that 50 years experience, high quality materials and pride in craftsmanship can deliver. See your nearest Hammond Distributor soon!

SEE OUR NEW
ECONOMY PRICED

SYNTHETIC PLANT

AT OUR BOOTHS

750 - 751 - 752

800 - 801 - 802

Our Biggest Display Yet!

hammond

LAUNDRY-CLEANING MACHINERY COMPANY WACO, TEXAS

QUESTIONS and ANSWERS

Effect of Water Repellent

What has caused the color loss in this ladies' brown acetate raincoat?
—*C. D., New York*

The dyestuff in this garment reacts just as acetate dye normally does. It bleeds to alcohol very fast and also bleeds to acid solutions. It is fast to alkalies and plain water.

We were not able to duplicate the type of color loss in evidence on this garment. This leads us to a source of color loss on acetate that is not often appreciated but a problem severe enough to warrant publication of a National Institute of Drycleaning bulletin. When an acetate fabric is slightly wet or damp and is then soaked for a period of time in a water-repellent bath, loss of color very often takes place. It is believed that the moisture causes a swelling of the yarn, which in turn makes it possible for the dry solvent to dissolve the dyestuff. Brown shades of dyestuff generally turn to a green shade, as in the case of this garment.

The straight-line pattern across the top of this color loss might indicate that the garment had been in contact with a wet or damp object such as the edge of a table before it was introduced into the water-repellent bath.

It is most imperative to keep the water-repellent bath itself free of any water and not allow garments to become wet or damp before repelling, since this type of damage will occur where acetate fiber is involved.

Bled Dye Not Cleared

What has caused the bleeding under the right arm of this black and white dress and can the loose color be removed?—*R. D., Ohio*

Both the white and black yarns in this dress are made from wool fiber. And because wool dyes are acid dyes it seems that the spotter has attempted a spotting job underneath the arm of this garment using an alkali such as ammonia. Then when the dye from the black yarns began to bleed, he did not flush this loose dye from the fabric, which allowed it to set up in the white yarns.

This fugitive dye may be cleared on the board by spotting out the area first with water and a neutral wetting agent. Use toweling under the area to pick up the fugitive dye as it bleeds from the fabric. Keep up this flushing of the dye until the area clears. It may be necessary to treat the area with ammonia to further the bleeding in order to get the area clear. Then flush the area thoroughly with water followed by sponging with a souring solution of acetic acid. This will prevent further bleeding.

In some instances it is necessary to soak out the entire garment in a bath of water and neutral lubricant. Once the discolored area is clear, rinse the dress well in cold water, and put it in a sour bath with acetic acid. If the entire garment is processed wet, the measurements of the dress should first be taken to assure restoration to the original size.

NEW SO-LITE TRADEMARK

FILTER POWDER cuts your filter powder costs because it gives you 25% more filtering power with 20% less weight—and filter powder costs are based on weight.

MAINTAINS FAST FLOWRATES
KEEPS PRESSURES LOW
Used like your present filter powder —no change in your operations

Same size bag—same amount of filter powder ...20% less weight

Proved in use by leading dry cleaning plants

GREAT LAKES CARBON CORPORATION

NOW! CERTIFIED PROOF—FORD TRUCKS COST LESS...

'59 Ford Trucks Win — average 25.2%

'59 Ford pickups running one of the Economy Showdown courses set up by the research engineers. Like all the new '59 pickups tested, these are regular stock models with a standard six-cylinder engine, 3-speed transmission and standard rear axle ratio.

- **Biggest comparison tests of truck gas mileage ever conducted by an independent research firm!**
- **Pickup models of all six makes tested in all kinds of driving!**
- **Both new and used trucks tested—534 units all told!**

The difference between the right truck and the wrong truck can cost you *hundreds of gallons of gas* the first year alone!

A pretty startling figure? It's just one of many findings from the most far-reaching tests of truck fuel economy ever made.

These tests dug out the actual facts on gas mileage the only way they could be gotten—every truck pitted against its brother in an Economy Showdown.

To keep the tests fair and impartial, Ford Motor Company went to America's leading independent automotive testing firm. The project was outlined, the funds provided, and the Economy Showdown became solely the research organization's baby.

FIRST TESTS—NEW '59 TRUCKS

Standard six-cylinder models of the six leading half-ton pickups first were put through exhaustive road trials. All '59 trucks – Ford and competitive – were bought from dealers, just as you would buy them. After at least 600 miles break-in, all were brought up to manufacturer's recommended specifications.

The trucks were then tested at constant speeds of 30, 45 and 60 miles an hour. Next came stop-and-go tests, ranging from moderate city traffic to normal retail delivery operation. Acceleration rates were carefully timed in each gear to insure accurate results for all makes. Here are the results—certified by America's foremost independent automotive research organization.

All tests conducted and results

CERTIFIED

by America's foremost independent automotive research organization*

***NAME AVAILABLE ON REQUEST.**

Send inquiry to: P.O. Box 2687 Ford Division, Ford Motor Company Detroit 31, Michigan

Economy Showdown USA
better gas mileage!

CERTIFIED SHOWDOWN RESULTS

The '59 Ford Sixes, *in every test*, averaged more miles per gallon than every other make!

Combining all tests, the '59 Fords led the average of all other '59 pickups by 25.2%.

To put it another way, for every 1,000 miles driven, the '59 Fords gave an extra 252 miles *gas free*.

For the typical truck owner driving 10,000 miles annually, this would amount to a saving of 129 gallons of gas the first year alone.

WHAT'S THE SECRET?

How can a '59 Ford Six make four gallons do the work of five in other trucks?

First, of all pickup Sixes, only Ford has modern Short Stroke design. This new type of engine is basically far more efficient than the long-stroke Sixes of other pickups—most of which were born before World War II!

Second, to this modern engine Ford has added a new economy carburetor. By metering fuel more precisely in both low- and high-speed ranges, Ford's new carburetor boosts gas mileage in every type of driving. And it's *standard at no extra cost*.

WHAT SPEED GIVES BEST ECONOMY?

Economy Showdown tests reveal that, with any make truck, actual miles-per-gallon depend upon the kind of driving you do. In normal retail delivery operation, for example, gas mileage drops to less than half that obtained at a steady 30 miles per hour.

High speeds are hard on economy, too. At 60 mph, it takes 16 gallons to go the same distance that 10 gallons will take you at 30 mph.

You can't always tailor your driving to get absolutely maximum economy, of course. But of this you *can* be sure. No matter where or how you drive, no other leading truck will give you the gas savings of Ford's modern combination: Short Stroke Six plus new economy carburetor. Economy Showdown USA proved it!

Your Ford Dealer now has the full report of Economy Showdown USA. Why not call him today and get the whole story firsthand?

HOW NEW '59 SIXES RATE IN GAS MILEAGE

'59 FORD SIXES GIVE	25.2% more miles per gallon than Make "C"	31.1% more miles per gallon than Make "I"	9.6% more miles per gallon than Make "G"	42.6% more miles per gallon than Make "D"	22.0% more miles per gallon than Make "S"	25.2% more miles per gallon than the average of all makes
IN ONE YEAR (10,000 miles) FORD SAVES	129 gallons of gas	160 gallons of gas	49 gallons of gas	219 gallons of gas	113 gallons of gas	129 gallons of gas

HOW GAS MILEAGE DROPS FOR OLDER TRUCKS

Everybody knows that gas mileage falls off as a truck gets older. But how fast, how far? 499 pickups were tested. In these tests, the '59 Fords were tested without break-in.

As you can see, gas economy tends to drop sharply somewhere between the second and fourth years . . . levels off after six years. Had the new '59 Fords been broken in (as all 1959 trucks were in the tests above), they would have achieved a much greater advantage.

'59 FORD GAS MILEAGE BETTER BY

25.6%	27.5%	24.6%	15.2%
9- to 11-year old trucks	6- to 8-year old trucks	3- to 5-year old trucks	1- and 2-year old trucks

HOW DIFFERENT KINDS OF DRIVING AFFECT GAS MILEAGE

Here is how gas economy in various Showdown tests compared with economy at 30 mph—the point of maxium mileage.

100%	80%	68%	63%	48%
30 MPH STEADY SPEED	45 MPH STEADY SPEED	NORMAL CITY TRAFFIC	60 MPH STEADY SPEED	NORMAL RETAIL DELIVERY

GO FORD-WARD for savings
FORD TRUCKS COST LESS

LESS TO OWN . . . LESS TO RUN . . . LAST LONGER, TOO!

How to Survive in Coin Operation!

Only UniMac Has the Answer:

PROFITS,

Year After Year After Year!

The only way to profit year after year in the coin service laundry field is with equipment designed to withstand continual hard use without breakdowns and expensive maintenance.

This equipment must also be easy to operate and permit customers to wash as they please, wash anything they please, and give them the cleanest, fastest, most economical wash possible.

Only UniMac Produces Continuing Profits for You, Because-

1 In hundreds of self service laundries original UniMac equipment is still operating profitably after more than 15 years, and profits have been increased with the addition of new coin metered UniMac equipment.

UniMac was the first equipment ever designed for self service laundries. Today UniMac is the only practical heavy duty equipment for coin operation.

Engineered and built of stainless steel, copper, brass and other durable materials, UniMac will operate trouble-free and profitably day after day, year after year.

2 Only UniMac customers wash as they please: a few minutes for delicate fabrics, longer for heavily soiled articles. Only in UniMac can they do color tinting and wash rugs, quilts and spreads.

Only Uni-Mac has ***Jetspray*** rinsing and extraction so thorough drying time is cut in half. UniMac's 12-minute wash-rinse-extraction cycle is the fastest of any equipment. Customers get the cleanest, most economical wash in the shortest time.

UniMac customers keep coming back!

As Competition Increases . . .

UniMac's many exclusive features count even more! The 12-minute cycle with ***Jetspray*** rinsing and thorough extraction for faster drying reduce equipment wear while saving 40–50% in gas and other utilities.

The economical operation of a UniMac coin service store plus the growing volume from satisfied customers give you continual profits, whatever the competition.

OPPORTUNITIES

for Distributors-Representatives to sell UniMac coin service laundries.

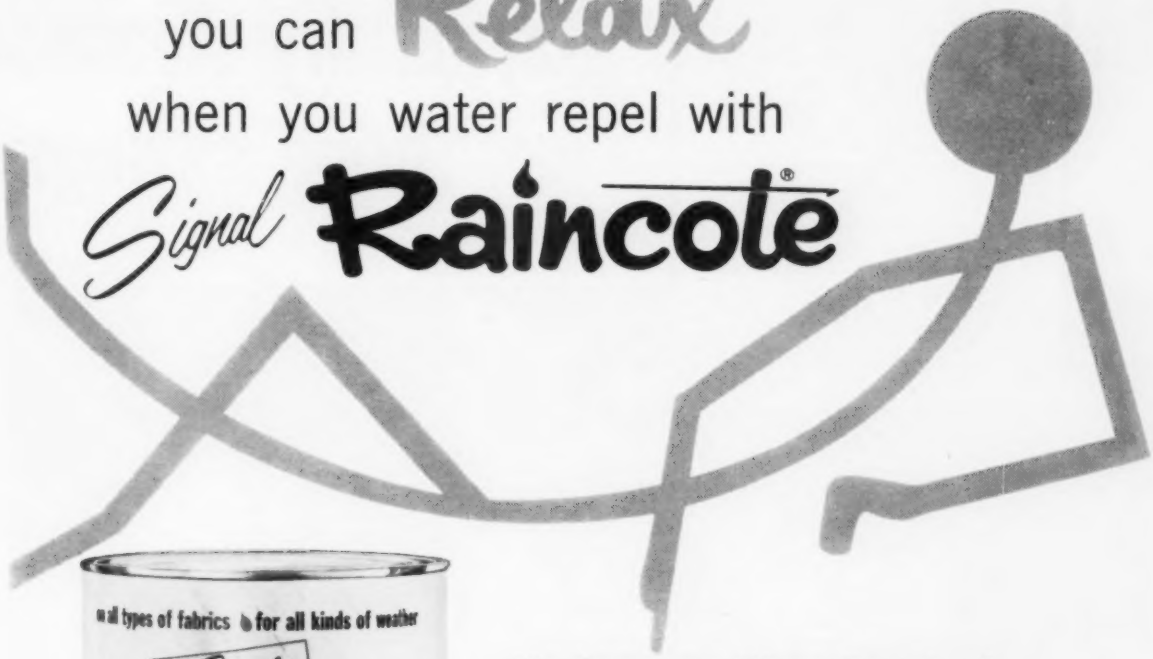
PHONE, WRITE OR WIRE TODAY

Get the UniMac Facts
WRITE TODAY, DEPT. N-39

UniMac Company

723 Ponce de Leon Place, N.E.
Atlanta 6, Georgia

you can **Relax**
when you water repel with
Signal **Raincole**®



No Separate Rinse Required

Signal Raincole is a new type formulation that's effective on all fabrics and protects them from rain and water-borne stains. Doesn't leave fabrics stiff and restores their original mill finish.

ECONOMICAL TO USE—Dilutes 5 to 1. Dilutes With Synthetic or Petroleum Solvents.

FREE Promotional Material To Help You Sell This Extra Charge . . . Extra Profit Service

Colorful Window Signs

Sales Folders

Demonstration Kits

Signal
CHEMICAL MFG. CO., INC.
5020 RICHMOND RD.
BEDFORD, OHIO

Send for FREE BROCHURE entitled
"10 Steps To Extra Profit"

NAME .....

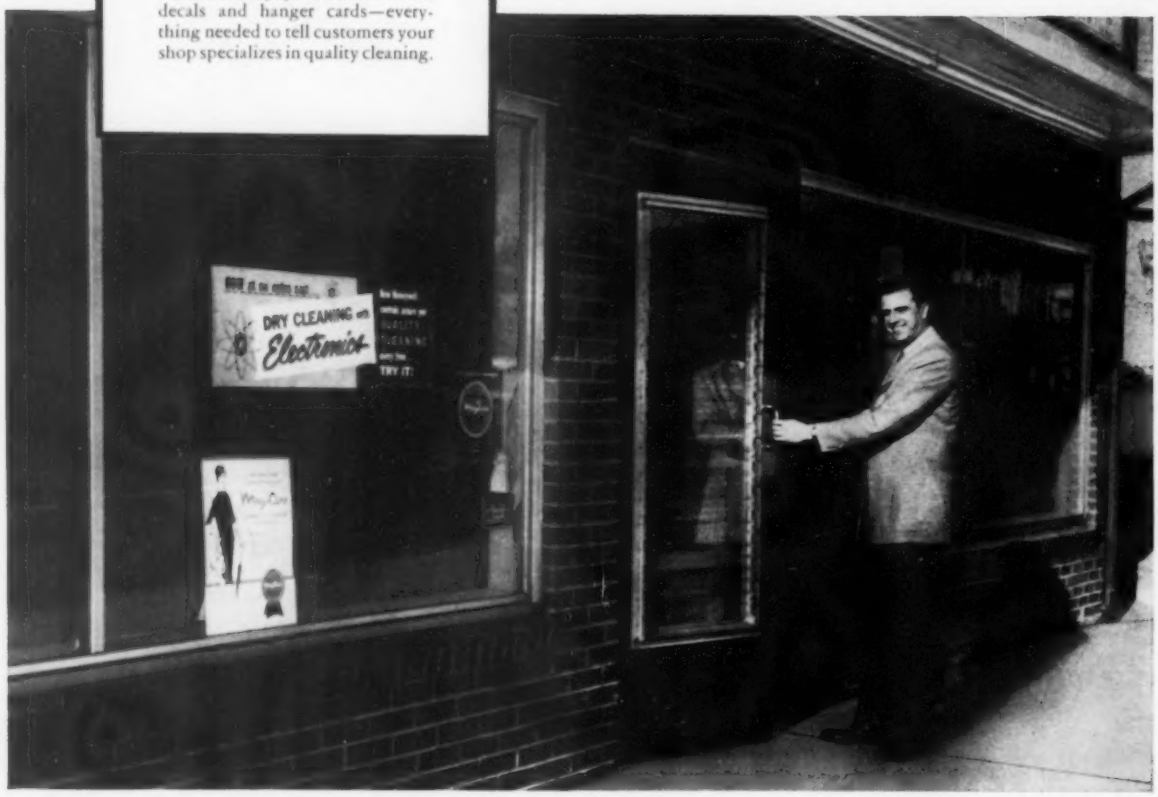
ADDRESS .....

CITY ..... STATE .....

JOBBER .....

Dayton dry cleaner bring savings

Mr. Robert E. Matejovsky, owner of Perfect Cleaners, is shown entering his shop at 2023 North Main Street, Dayton, Ohio. The Honeywell MagiCare banner displayed in the window is just part of a complete merchandising program offered cleaners using Honeywell controls. The program includes national ads in Vogue, tie-in ads for local newspapers, counter cards, decals and hanger cards—everything needed to tell customers your shop specializes in quality cleaning.



IN MAY of 1957, Mr. R. E. Matejovsky had a Minneapolis-Honeywell MagiCare Relative Humidity Control installed on a synthetic single-bath machine in his establishment. He did so because he knew the control of washer relative humidity was important to get ideal cleaning—the kind that brings customers back again and again.

But the results exceeded Mr. Matejovsky's hopes. He was so pleased that 10 months later he wrote Honeywell. "Our spotting time is greatly reduced . . . colors more vivid . . . garments softer with less wrinkling . . . pressing time reduced . . . fewer re-runs . . . wet wash is now in the past!"

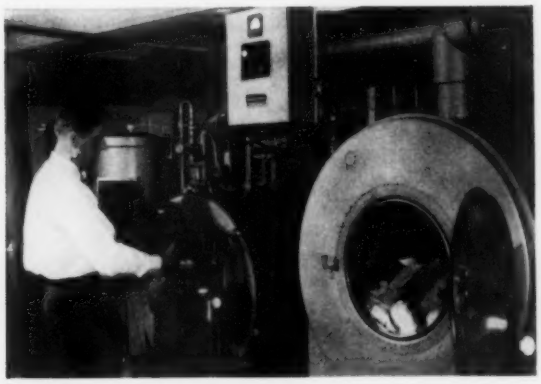
HOW HONEYWELL RH CONTROLS CAN HELP YOU

Mr. Matejovsky's story can be your story, too. The Honeywell MagiCare Relative Humidity Controls can bring you not only better cleaning but faster, labor-saving operations.

This completely automatic system keeps the relative humidity in your washer accurate within 1% R.H. It prevents excessive moisture which causes wrinkling, breaking and increased pressing time. Yet it assures sufficient moisture to get garments really clean. The Honeywell system works equally well with Stoddard and perchlorethylene solvents, can be used with any concentration of charge soap in any type of washer or washer extractor and with one-bath, two-bath and batch process systems.

Ask your soap and machinery dealers for the Honeywell MagiCare system, or contact Minneapolis-Honeywell, Dept. ND-3-21, Minneapolis 8, Minn.

uses Honeywell MagiCare* to to every operation



WASHING. Mr. Matejovsky reports, "Far fewer reruns, rare wet wash, with Honeywell's MagiCare Relative Humidity Control!" That's because Honeywell's control assures the exact humidity required to clean each fabric best.

SPOTTING. Perfect Cleaners saves time on spotting with Honeywell's MagiCare Control. In fact, since the installation an average 82% of the garments are pass-ups —so perfectly clean no spotting is needed!

PRESSING. Mr. Matejovsky has noted a great decrease in pressing time. That's because garments no longer get too damp and wrinkled in the dry-cleaning bath. They look better, press better—and press faster!

CUSTOMER SATISFACTION. In Mr. Matejovsky's own words . . . "colors are more vivid, garments feel softer" . . . Naturally customers are happier, too. And that's the payoff for a bigger business and better profits.

Honeywell

First in Control

EDITORIALS

Look Ahead

Within the next few days the great exhibit convention will take place in Atlantic City, N. J. We hope you and all other progressive drycleaners will be there to see the latest developments in equipment and supplies.

Never before has it been so important for you to attend. First, there is the obvious reason that you will benefit from the talks that will help you in the management of your business, in getting more sales. The other, that you should know what improvements have been made in the products available to our industry.

But you should do more than look and hear. If you are to get your share of the rich market immediately ahead, you had better be prepared for it. Want some specifics?

One of the country's outstanding business authorities, Leo Cherne, who heads the Research Institute of America, had this to say recently. This year will see a continued rise in production, with industrial production up some 12 percent. (This is borne out by other reports which also indicate a gain of some 4.7 percent in service industry sales.)

The real boom will occur in the Stupendous Sixties. Behind it is the population growth and change. We will pick up *34 million more people* in the next decade. And this is significant: the 18-25 age group will grow 50 percent, against 15 percent for all other age classes.

Think of the new families that will come about; the new homes, new markets for drycleaning and sidelines! Expendable income will go up 30 percent during the Sixties.

But you won't get your share just by sitting back and idly thinking about it. Your trip to the convention should be utilized for planning and buying for the immediate future. If you don't, somebody else will.

As we promised you, the feature section of this issue brings you case histories of long-established plants. There is a special reason for this somewhat different theme for the annual Guidebook.

It ties in with our fiftieth year of publication, and gives us an opportunity to honor subscribers who have been reading NATIONAL CLEANER & DYER almost from the first issue.

There is something inspiring and educational in the study of these plants. As we go back into the past, we learn what has made these plants tick. Not the least are the facts that they merchandise and constantly change to take advantage of the latest equipment and supplies.

They "look ahead" year after year, and *do something about it*. A good practice for all of us to follow.

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Sanex Mothproofing

now with Scientific Bacteriostat

a totally new improved formulation with new additive, DEX*

Builds a bacteria barrier and leaves garments with a lasting freshness. Sanex is a dry, solvent-soluble mothproofing and bacteriostat used in the wheel. It does not affect soaps or solvents or the appearance of the finished garment. Sanex Mothproofing with DEX* is the one big extra that housewives want for a complete drycleaning service.

- **mothproofs**
  100% protection against moth and beetle larvae
- **sanitizing action for lasting freshness**
  New bacteriostat has locked-in antiseptic properties that are effective against a wide range of bacteria and fungi.
- **deodorant protection between drycleanings**
  Sanex dry cleaned garments resist all odor causing bacteria.
- **mold and mildew protection**
  No more musty odors or discolored garments because Sanex inhibits the growth of bacteria and fungi that cause mold and mildew.

FREE POWERFUL NEW MERCHANDISING AIDS

GIANT WINDOW STREAMERS • NEWSPAPER MATS • DIRECT MAIL CARDS • INSERTS • GARMENT TAGS • DECALS

Write for FREE BOOKLET . . . "There's Something Missing". . .

Name _____

Address _____

City _____ *State* _____

Jobber _____

Signal CHEMICAL MANUFACTURING CO.
5020 Richmond Road · Bedford, O.

Soft as Silk

WEARS LIKE IRON...

the Qualitex Sun Glow Pad and Cover*

*TRADE MARK

for dry cleaning presses

SUN GLOW Covers provide ideal pressing surface longer than any other cover on the market. Tests prove that Sun Glow Covers last 28% longer than any other type.

SUN GLOW Cover combined with the famous Qualitex foam press pad, delivers better finishing than any other cover and pad combination.

SUN GLOW Pad and Cover is guaranteed in writing to last a minimum of 4 months.

ORDER A QUALITEX SUN GLOW PAD AND COVER FROM YOUR JOBBER TODAY— After a short try on one of your presses, you too will join the many progressive dry cleaners who have switched to the Qualitex Sun Glow Pad and Cover.

Quality products company

WORLD'S LARGEST MANUFACTURER OF DRY CLEANING PRESS PADS AND COVERS

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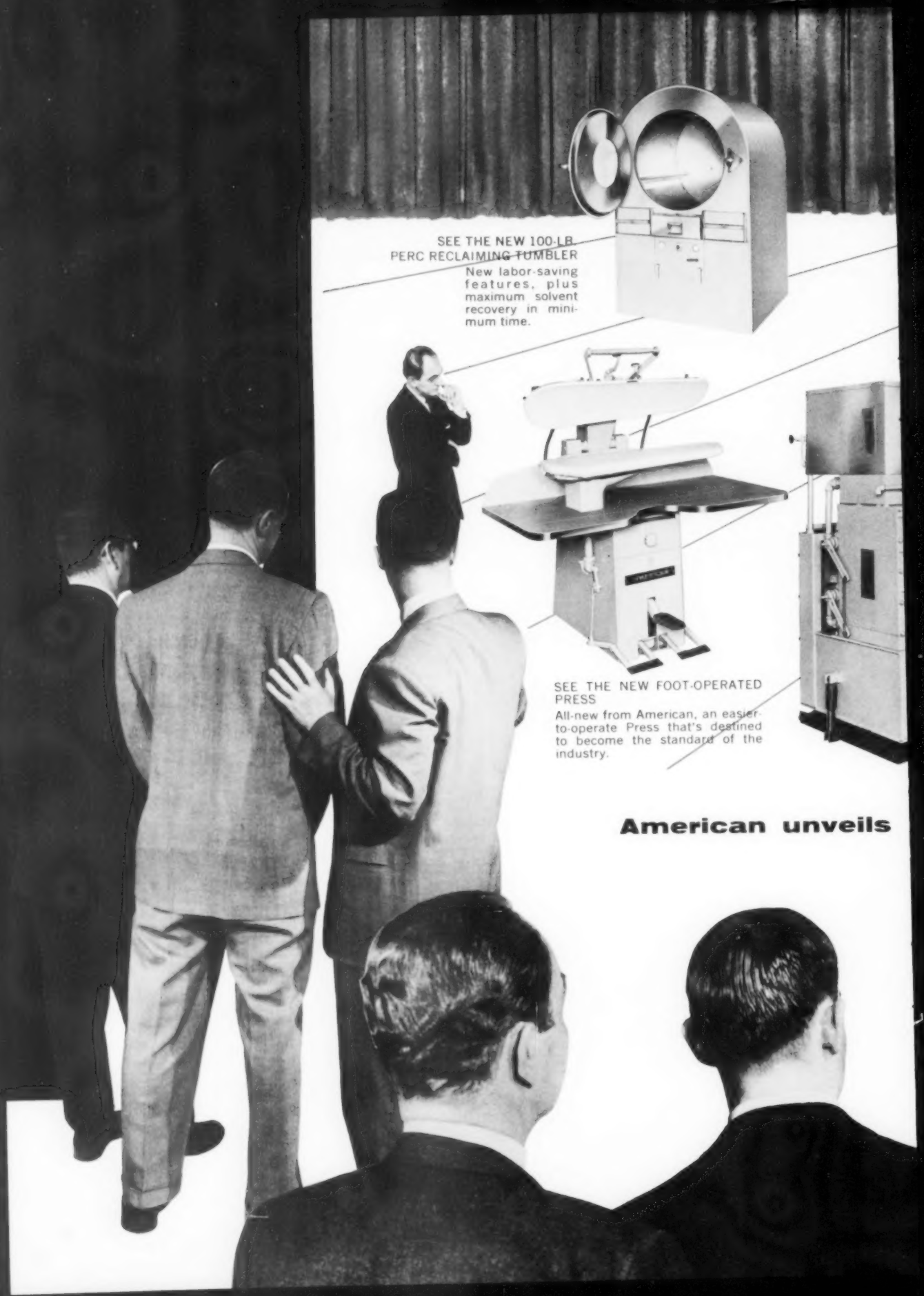
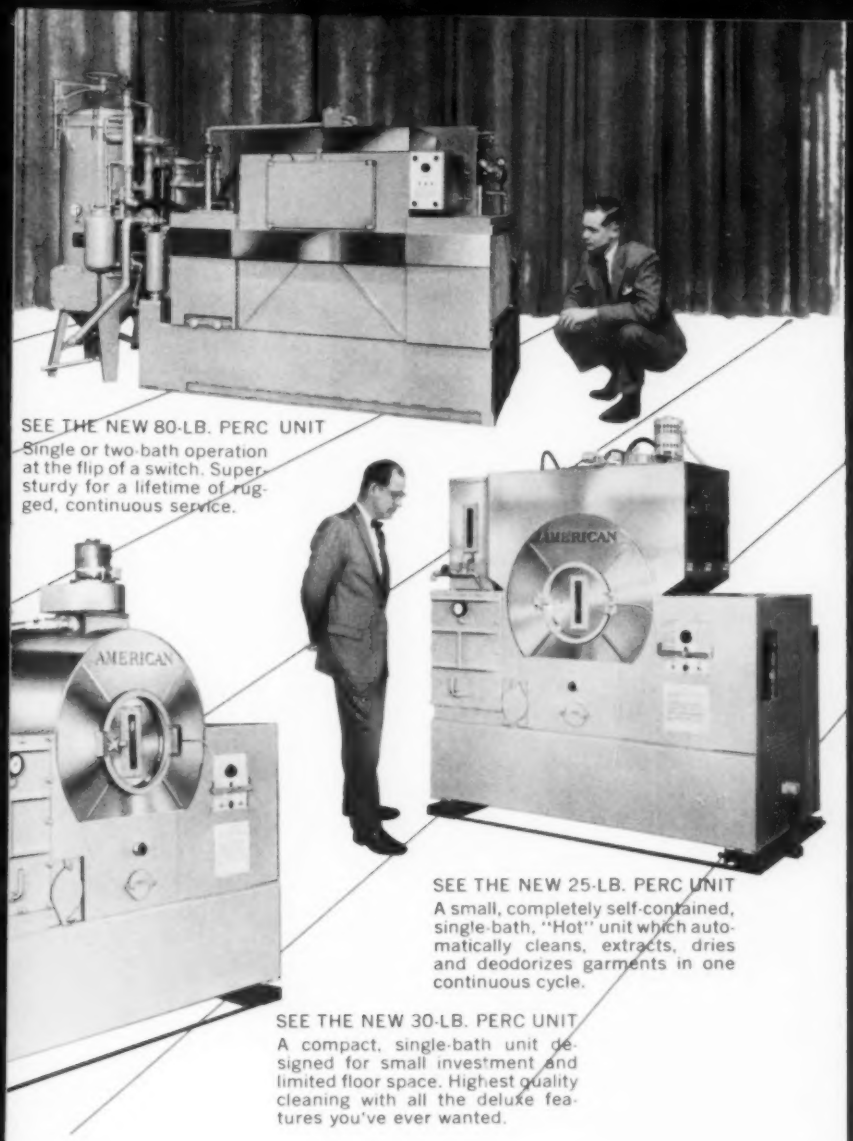
SEE US AT BOOTH 256 N.I.D. CONVENTION, ATLANTIC CITY

next month, at the NID show . . .


SEE THE NEW 100-LB.
PERC RECLAIMING TUMBLER
New labor-saving features, plus maximum solvent recovery in minimum time.
SEE THE NEW FOOT-OPERATED PRESS
All-new from American, an easier-to-operate Press that's destined to become the standard of the industry.
American unveils



SEE THE NEW 80-LB. PERC UNIT
Single or two-bath operation at the flip of a switch. Super-sturdy for a lifetime of rugged, continuous service.

SEE THE NEW 25-LB. PERC UNIT
A small, completely self-contained, single-bath, "Hot" unit which automatically cleans, extracts, dries and deodorizes garments in one continuous cycle.

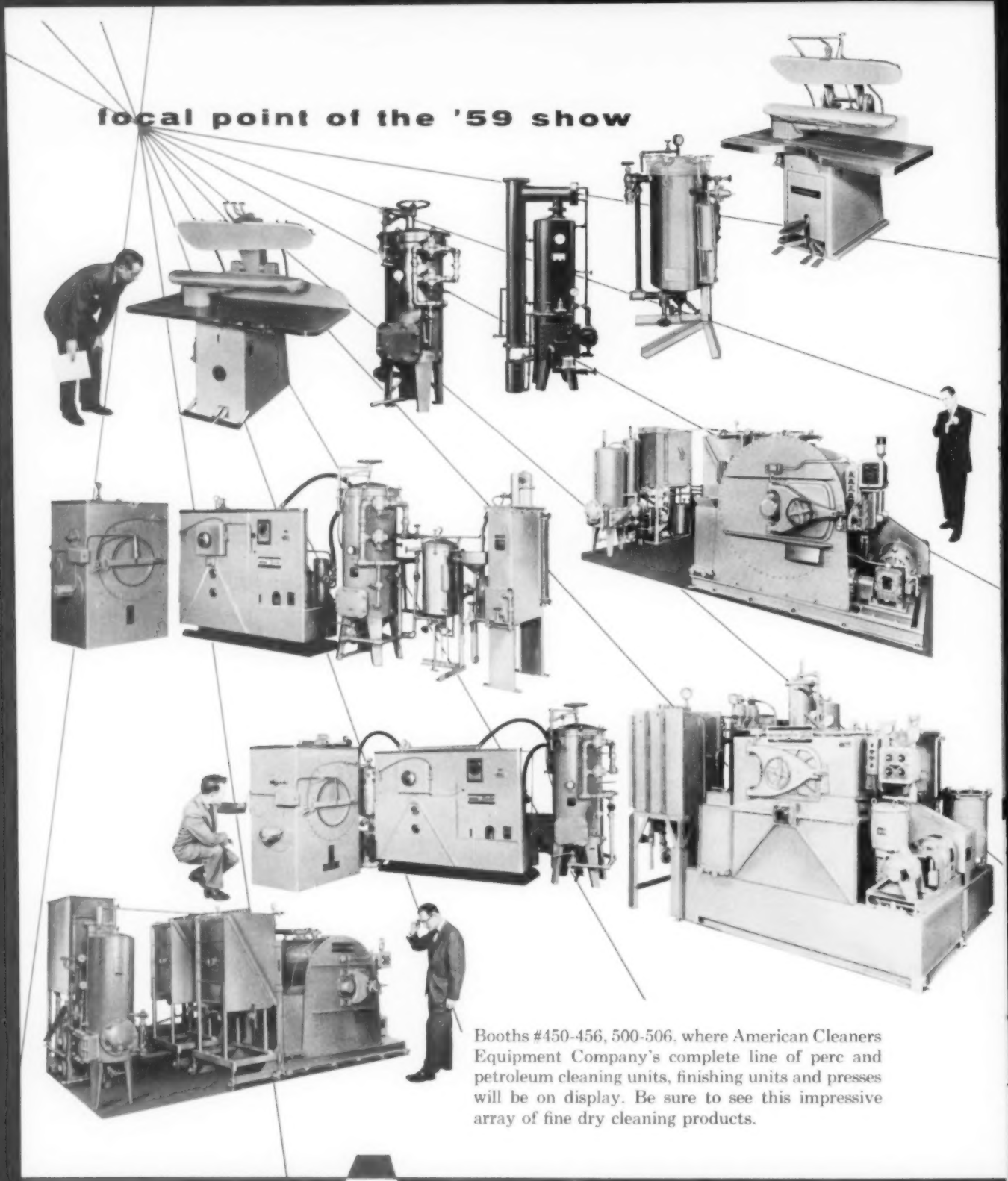
SEE THE NEW 30-LB. PERC UNIT
A compact, single-bath unit designed for small investment and limited floor space. Highest quality cleaning with all the deluxe features you've ever wanted.

5 outstanding new machines

Don't miss these significant new additions to the industry's largest, most complete dry cleaning line.

Make American's biggest-display-ever a *must* stop when you tour the exhibition hall next month. We'll have *carloads* of machines for your inspection. First, see these pace-setting *new* machines, then examine the rest—the finest array of dry cleaning equipment American has ever assembled.

Examine, appraise, operate, compare—and give us your impressions. We think you'll like what you see—and we'll look forward to your visit.



Booths #450-456, 500-506, where American Cleaners Equipment Company's complete line of perc and petroleum cleaning units, finishing units and presses will be on display. Be sure to see this impressive array of fine dry cleaning products.

you get more from **American**

AceCo

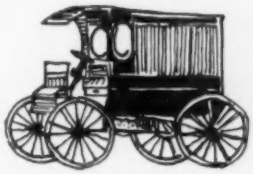
American Cleaners Equipment Company
Division of The American Laundry Machinery Company
Cincinnati 12, Ohio

A HALF CENTURY OF *PROGRESS*

IN this, our fiftieth year of publication, it is only fitting that the annual Guidebook issue be devoted to a very special theme. It didn't take long to make a selection.

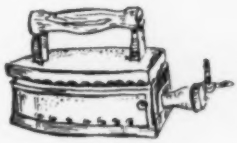
That is, to pay special tribute and honor to those long-established drycleaning plants that we are privileged to count among our oldest subscribers. Those whose histories we recount in this issue are by no means all. There are scores of plants that have been with us 35, 40 and more years. Some of them will be covered in subsequent issues during this anniversary year.

There is a deeper purpose behind the case histories than to salute these plants or toot our own horn. It is to remind the industry of the fundamental principles that made these plants great. Newcomers to the field will learn an object lesson from the Spic and Span's, the Fishburn's and the others.



Most of the plants reported in this issue have been in existence just about as long as this publication. They have not enjoyed their longevity by resting on their laurels. They know the importance of keeping abreast of the times.

All of them have first built on solid ground. They produce quality work at fair prices. They advertise. Let me repeat that. *They advertise*. You will read of 4 percent of gross sales being devoted to that purpose.



They have good employee relations. They use modern layout and workflow. These progressive plants utilize modern equipment to get out the work.

These "old" plants offer the profitable sidelines that they know appeal to their customers' wants. You will further read about how the plants are expanding through decentralization—activated branch plants. They belong to and are active in association work.

And the operators offer their customers *convenience;* through route salesmen as well as branch offices. They use charge accounts to help sell their services. In short, they employ all the tools that make for success in any line of endeavor.

We salute these progressive plants, and the scores of others who have helped to make this industry great. May the next 50 years be as successful for them and this publication!

SPIC AND SPAN

at age 57 —

one of the biggest

and most successful

plants in the Midwest

offers this cleaning formula

Quality, Service and Value for Growth...

Several miles from the main plant, this structure houses the routes' finished orders and executive offices

Main-plant exterior and interior live up to the firm's name

ONE BOSS is usually enough for anyone, but at Spic and Span Dry Cleaners of Milwaukee, Wisconsin, each employee has nearly a quarter of a million bosses—the firm's customers.

Sharing the attitude that the customer is the boss is the company's management which has made quality, service and the fairest possible price the foundation supporting the largest drycleaning service in Wisconsin. The formula has established Spic and Span as an honored leader in the industry throughout the world.

There are other ingredients contributing to the position of the 57-year-old firm, but each is an outgrowth of the concentrated minute-by-minute determination to achieve the threefold goal: quality, service and value.

A host of pioneering developments dot the history of Spic and Span. Included are the conception and building of revolutionary new machines now standard in the industry the world over. Spic and Span evolved new techniques for processing and finishing. And presently an ambitious research program centers on the problem of making reality the delights envisioned by the producers of the newest apparel fabrics, among them wash-and-wear products.

The company was the first in Wisconsin to open an exclusive shirt laundry which has been in operation for 10 years. And 2½ years ago it added a regular laundry service.

Each step was taken, said company president Edward A. Miller and vice-president Harry J. Plous, "to guarantee utmost service with the accent on quality."

Other bricks in the development of the firm have been the present management's energy, pluck and optimism that made a success of an expansion plan launched in the depth of the depression. The same attributes maintain the company's highest standards under every circumstance. A glittering example was provided during the years of World War II when Spic and Span overcame almost paralytic shortages resulting from defense needs. In spite of labor and supply problems, regular twice-weekly delivery was maintained.

Spic and Span also has tailored to its stringent needs a personnel training program emphasizing the development of supervisors and executives from within company ranks. Every executive participating today in guiding the course of the firm got his start in the drycleaning industry with Spic and Span. A majority has worked in no other occupation, or for no other firm. Few drycleaners in the nation have sent as many of its supervisors to industry schools to keep abreast of the latest developments. Mr. Miller

. . . it's as simple and demanding as that!

Convenient setup permits counter girls to double as markers without cluttering the counter

Beautiful interior attracts customers. Note fine packaging of shirts

himself attended the National Institute of Drycleaning in 1932.

Because of its unbending determination to deliver perfection to its customers, Spic and Span has trained individually almost all of its 375 employees. And each of these employees makes an important contribution in building the company's business volume, well over a million dollars annually.

To handle the volume, Spic and Span has 16 delivery routes and 42 stores covering the entire Milwaukee metropolitan area. The company offers a 24-hour service in addition to regular four-day pickup-and-delivery and is geared to guarantee emergency five-hour service.

Devotion to dependability has made Spic and Span a forerunner, not just another competitor in the drycleaning and laundry industry.

Birth of a partnership

Calling the signals in what they have made a precision operation are the 51-year-old Ed Miller and Harry Plous, who is 50. Their association was not business-born. They met in the late 1920's at the University of Wisconsin where they were fraternity brothers. They have been for many years brothers-in-law. At the University, Mr. Miller majored in advertising, Mr. Plous in business administration. The former finished in 1929, the latter graduated in 1930.

They are busy but witty executives, devoted to their company, its patrons and their employees. Responding to the lore that is part of the Spic and Span tradition, they give equal energy to their civic, religious and philanthropic responsibilities.

"We probably had more youth than brains when we came into the business out of the University," Mr. Miller said, "but one of the first things we were told, and learned, was that we must give in proportion to what we take, and that means making a return to our customers and the community."

In 1954 one of Mr. Plous' contributions to the industry merited him an award from the All-American Conference of Dry Cleaners, composed of 60 leading North American firms. He received the organization's "Hypodermic Needle," a giant-sized replica of the physician's instrument.

In that case his form of expression was a paper on drycleaning operations hailed as an "outstanding contribution." It covered the equipment and layout changes the plant made in the years just previous.

Mr. Miller served as director of the National Association of Dyers and Cleaners for six years, part of his terms including the years of World War II when his own company and the industry faced some of its stiffest challenges. He also is a past president of the Wisconsin and Milwaukee associations.

But Messrs. Miller and Plous refuse to see themselves as master executives.

"I'm a CPA," said Mr. Plous, "and that doesn't mean certified public accountant. It stands for Cleaning, Pressing and Alterations."

Mr. Miller is the diplomat-salesman. "It's the customer's friendship we want," he explained. "If we earn her friendship, we'll get her business, and once we do we're sure our quality

service will preserve the association."

The present owners decline to claim they originated the company's determination to attain perfection every time. That credit, they said, belongs to the founders of the firm, Louis and Morris Plous, immigrant brothers born in Lithuania. Harry is the son and Ed Miller the son-in-law of Louis Plous.

The founding brothers came to the United States from Sweden where they lived with their mother for a number of years after the family left Lithuania when the boys were very young. They brought their mother here later.

The brothers were not yet of voting age when they came to the United States and moved to Kenosha, Wisconsin, about 40 miles south of Milwaukee. Louis became an itinerant salesman of wearing apparel and Morris a tailor, thus establishing a background for their entry into the drycleaning business in 1902, when Louis was 18 and Morris 17.

They opened their Union Dye Works in a rented building and in the fledgling days of the firm the largest part of the business was the dyeing of garments. At the time they opened the doors, the drycleaning business, developed in France, was not yet 50 years old.

The standard home-remedy cleaning for the blue serge owned by the man of the house was a thorough brushing and airing when it was taken out of mothballs for a wedding or funeral. To the distress of the drycleaners, many of the suits lasted a lifetime without a real cleaning.

The Plous brothers determined to change that, at least in Kenosha. They set about launching a cleanliness revolution with the most elementary of weapons. Their cleaning vats were hand-cranked and deliveries were made at first on a bicycle and later by horse and wagon.

Each of the firm's 16 route trucks looks just like this. Color scheme is blue at bottom, with white tops and yellow lettering

Smart decor, drive-in facilities help sell quality work

The cleaning fluid of the day was benzine and, by golly, the customer had better be able to smell it when the garment was returned. At that time cleaning always came back in a box, not on a clothes hanger, with a paper or plastic covering, and Harry Plous recalls spending his boyhood after-school hours folding the boxes for 5 cents a hundred.

Start of promotion

Within a few years Louis and Morris Plous had begun to exploit the merits of their service, offered from the beginning with the guarantee of the best quality for the fairest possible price.

An early promotion featured a demonstration of how quickly dirt and grime gather on clothes. The main character in the plot was a dignified-looking man wearing a suit that was a brilliant white on the day the campaign began. He walked the streets of Kenosha wearing the suit day after day without cleaning, but each day changed the number on a placard on his back to show how long the suit had been worn. The firm's promise of highest quality kept him constant company.

And so the firm grew.

The Union Dye Works was the only drycleaning plant between Milwaukee and the Chicago area. Steady growth came in Kenosha as well as at Racine, Wisconsin, and Waukegan, Illinois, the largest communities on either side. A wholesale division was added to the bustling retail business as the firm extended its service to all communities in the area.

The years at the turn of the century and those of the two World Wars marked periods of the greatest evolution of the drycleaning industry. At the beginning of the twentieth century the nation was alive with new things, and the growing use of drycleaning probably was part of the pattern. Military emphasis on cleanliness and neatness are credited with spurring growth in the war years.

During and after World War I the Union Dye Works did a large volume

Quality, Service and Value...

Advertising and Public Relations

Want to get some ideas behind a really sound advertising program? Here, in their own words, is the way they handle merchandising at Spic and Span:

ADVERTISING and PROMOTION

The media used are (a) newspaper, (b) television, (c) radio, (d) outdoor advertising, (e) direct by mail.

Newspaper — our schedule calls for a full-page ad in color in the Milwaukee Journal during almost each week of the year, except holiday weeks. Seldom do we run any other newspaper advertising except full page ad in color.

Television — from March through October we run a half-hour live television show featuring the Milwaukee Braves and their wives each week of the baseball season. This has become one of the very popular local shows and has a substantial following.

Radio—like newspaper is consistent throughout the year on several important radio stations. We prefer one-minute spot announcements scattered throughout the day. We also feel that the radio commercial must be different to be effective.

Outdoor Advertising—we have six painted billboards that are scattered throughout town and are repainted twice a year with new copy.

Direct by Mail—this medium is used for special promotions such as storage, the opening of new outlets, contacting of present customers on seasonal ads and so forth.

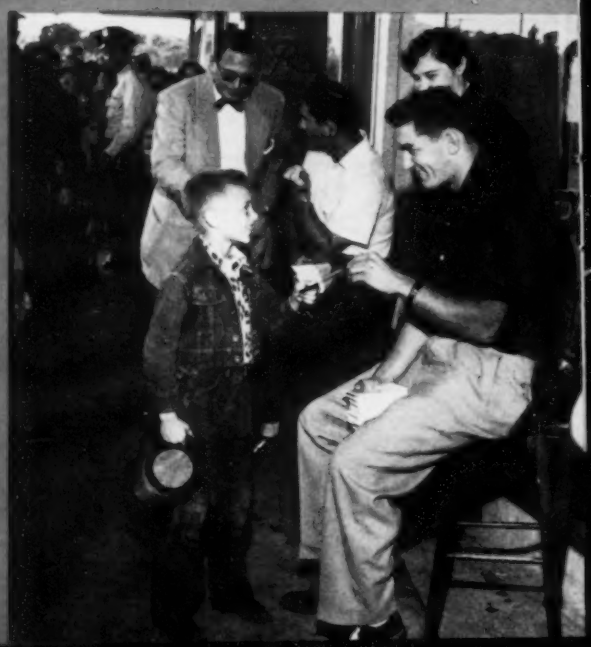
Consistency—One of the important things that we attempt to do is to be consistent. We try to avoid scatteration and attempt to do justice to a given medium before allocating monies for another.

Similarity — We also think that similarity of format is extremely important so that there is an accumulative effect as a result of consistently well planned advertising.

How about this (above) for a grand opening? It took six policemen to direct traffic . . .

Here's why (below). The two gentlemen seated are members of the great Milwaukee Braves Baseball Club, autographing photos. Man in glasses is Ed Miller, president of Spic and Span

Wives (right) of major league baseball players answer questions of television listeners on company-sponsored show



The next generation of customers enjoys costumes made of garment bags that were distributed to schools throughout the city

Two Milwaukee firms combine their facilities in the service of a great humanitarian cause

Here's a Way YOU Can Help the Hungarian Refugees Who Are Finding Asylum in Milwaukee

Turn in Your Contributions of Men's Suits to Gimbels Spic & Span will Clean Them Free of Charge

Strangers in a strange land, knowing little of our language and our ways, the Hungarian refugees who will arrive in Milwaukee will need assistance at every turn. One of the items they will require is clothing. To help meet this need, Gimbel Brothers and Spic & Span are contributing their facilities and services free of charge to this campaign, in which you can help. If you have a man's suit for which you no longer have use, a Hungarian refugee has. Beginning Monday, tomorrow, such suits will be received by Gimbels at both their Downtown and Southgate stores. Gimbels will turn them over to Spic & Span, who will clean them. They will then go to the St. Vincent de Paul Society, which is spearheading Milwaukee's Hungarian Refugee program in co-operation with the co-ordinating committee. Both Gimbels and Spic & Span are employing extra help to handle this worthy job. Look into your wardrobe now for men's suits you can spare. If they are in good wearable condition, turn them in this week at Gimbels. Ample personnel will be on duty to speed up the process.

All garments received will find their way to refugees, who need them. If the requirements of the refugee coming to Milwaukee are fully met and a surplus remains it will be forwarded to refugees who may need them elsewhere.

Read These Directions Carefully:

Bring suits to either of the Gimbel stores—Downtown or Southgate. Here's where to leave them:

DOWNTOWN STORE — Kitchen Dept. 7th Floor

SOUTHGATE — Men's Department—Ready to Wear, Dept. 3, Lower Floor

For running reports of the progress of the drive, and for further information and instructions, BOB SIEGRIST AND THE NEWS is heard Mondays through Fridays, 15 Wisconsin Network Stations at 7:15 p. m. WISN at 10 p. m.

Every humane person, every friend of human liberty, has said to himself; what can I Do? How can I Help? Here is the answer—a practical way in which you can demonstrate your sympathy for these brave people.

Gimbels DOWNTOWN and SOUTHGATE

SPIC AND SPAN *Beautiful* DRY CLEANING

This ad is typical of the kind of public relations this firm practices at every opportunity

Continued on the following page . . .

Foreign exchange students appeared on a live TV Christmas show sponsored by Spic and Span. Gifts were presents from the company

of business in changing to a happier color the monotonous khaki of the Army uniforms brought back to civilian life. A slogan of the era and one that paid dividends was, "We Dye Every Day, Let Us Dye for You."

In 1925 Morris was forced by ill health to retire from the firm, leaving it in the hands of Louis, who remained dedicated to the business and active in it for another 25 years. Louis was better known as "Dad" and widely respected as one of the "grand old men" in the industry.

By 1927 the Union Dye Works' reputation for quality had spread and a national syndicate made a tempting offer for the firm. It was time to discover his son's future plans so Louis journeyed to Madison to see Harry at the University of Wisconsin.

Harry answered a positive "Yes!" when asked by his father whether he planned to make a career in the business. Louis returned home to reject the offer, but before leaving told his son, "Now I know I'll never sell, no matter how high the price."

By the time the depression hit, the Union Dye Works employed 150 people and it was always Louis Plous' private pride that all of his employees kept at work full-time. Kenosha's commercial base was largely basic industry, heavily battered by the ever-tightening depression, and the Plous firm at one time during the distressing years was considered big business.

In 1932, with Edward Miller and young Plous now active in the firm, the economic situation forced a decision: expand or cut back.

Union Dye Works decided to enlarge and Mr. Miller was sent to Milwaukee to open a branch. It was here the name Spic and Span was born, out of necessity. The Union Dye Works label could not be used because an existing Milwaukee laundry and cleaner had a similar name.

The decision to expand was not an easy one, and before making it Louis Plous, his son and Ed Miller looked into the market. It was painted black on all sides.

A banker said, "Go home." A merchants' association said, "There are 50 drycleaners here now and the city does not need another." A newspaper advertising manager said, "The price of drycleaning is demoralized and profit can't be found."

Spic and Span splurged for the first quarter-page ad ever placed in the *Milwaukee Journal* by a drycleaner and opened for business on the second floor of a downtown building.

Discouraging start

At the end of the first day gross receipts were $9.72 and $5 of that came from a fraternity brother who wanted to get the younger Plous and Miller off to a good start. The fraternity brother remains a customer today.

Faces dropped as business stayed about the same for weeks. It was about decided to take the loss and return to Kenosha when Dad Plous reminded the younger men that adjustments could be made, but he cautioned, "There will be no compromise with quality."

The assignment appeared impossible because competitors were handling garments five for $1, and one, apparently realizing how ridiculous the price war was, offered a herring with each dollar's worth of business.

Louis Plous, his son and Mr. Miller stuck by their quality standards and by 1939 the Milwaukee volume was larger than that in Kenosha, so the Union Dye Works was disposed of and the trio gave full attention to Spic and Span. In 1940, only eight years after entering the Milwaukee market, Spic and Span was the largest drycleaner in the city.

A favorite phrase of Dad Plous had always been, "Never make a promise you can't keep." The task ahead of Spic and Span at this stage of growth was to develop ways of keeping better promises.

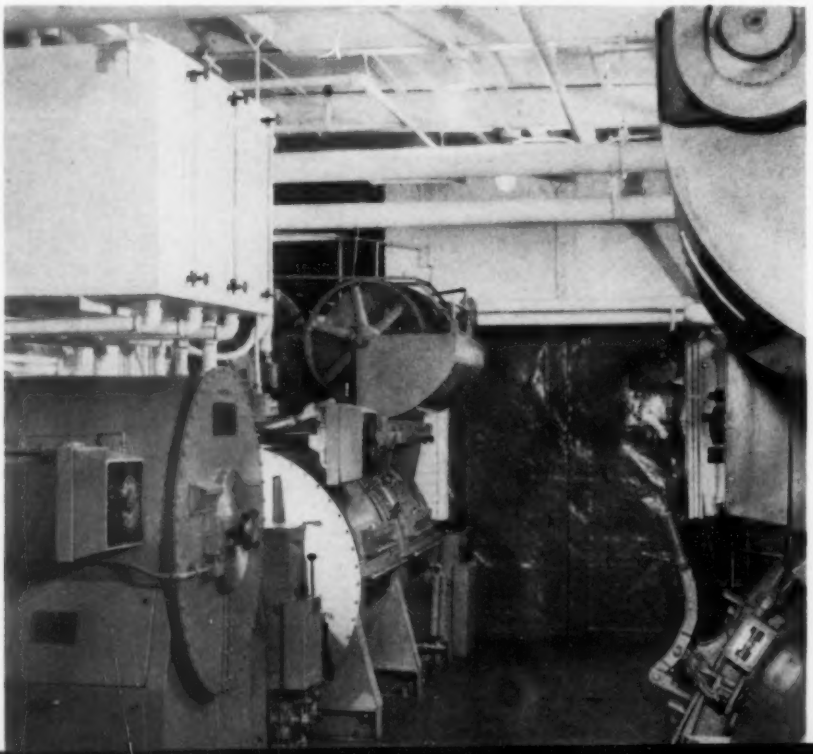
This meant even higher quality, better values, faster collection and distribution and improved processing. Research showed processing the key to improvement and disclosed that industry machinery and techniques, while improved, had been basically unchanged for years.

It was certainly time for changes and Spic and Span brought them about.

As Miller and Plous began to envision new machines that would improve quality, they became convinced

Controls on latest equipment bring this cleaning room as close to automation as is possible

Overhead tanks above washer store sizing, fresh solvent



they must also give to a garment's owner "the thrill of newness all over again."

Their brainchild evolved as a revolutionary new system for finishing clothes from the inside, thus removing all seam impressions and shine. In the steam-air finishing method, garments are fitted to contour-matching forms for the final processing.

Spic and Span retained patents on the equipment for a number of years, but because of their impact the designs were made available to an equipment manufacturer and now are sold worldwide.

This was actually only a beginning. More advances were to come, again at the inspiration of Dad Plous.

The senior Plous died in 1950 after a series of heart attacks. Following the first seizure, he told Miller, "I will die young because when we started in business there was only one way to make it grow, with long hours and back-breaking labor. If you must work as hard as I did, your education is not doing you enough good."

He suggested that better organization could produce still higher quality and do it more economically.

Young Plous and Miller made a detailed study of their plant determined to eliminate every unnecessary step, feeling that wasted motion was a burden on employees and certainly a cost factor customers "couldn't be expected to pay for."

They took their plant apart and realigned it so that a garment starts at one point and moves in straight lines from process to process in the exact order of need. Garments are moved step by step through the plant by conveyors and automatic equipment, eliminating handling and adding to the quality of the finished product.

The assembly line, a great contributor to American industrial dominance, was fine at Spic and Span—up to a point. Under the line process, taking a pair of trousers for example, one person pressed the waistband and top, another the cuffs and a third sharpened the creases. But when the search for quality disclosed there were ways of doing the job better, the assembly line was discarded.

Finishing for quality

It was replaced by finishing equipment which surrounds one employee with everything necessary to do a single garment. Thus a finisher working on a dress has a specialized piece of equipment to do the sleeves, bodice, skirt and a hand iron for the final touch-up.

This type of finishing brought perfect results, but it also meant more employees and higher equipment costs. These were accepted in compliance with the policy of "no compromise with quality."

The same yardstick resulted several years ago in the replacement of conventional drycleaning equipment good for another 10 years. The equipment still is in use in other firms in other cities.

All finished work is transported from the pressers to inspection and assembly by conveyors

It was replaced by a $100,000 system of washer-extractor cleaning equipment. They have a 500-pound, two 300-pound and a 100-pound unit. The system has automatic devices making it possible to regulate the amount of moisture in the cleaning. Solvent heaters and coolers are an integral part of the new setup. Previously the extremes of Wisconsin's weather and humidity had created variables reflected in finished garments.

"Uniformity" was the goal and it was reached, permitting Spic and Span to return garments in the same perfect condition day after day, no matter if the humidity outside was 100 percent or very low.

This continuing improvement effort, Mr. Miller said, has developed for Spic and Span loyal customers who have contributed to the building of a successful business.

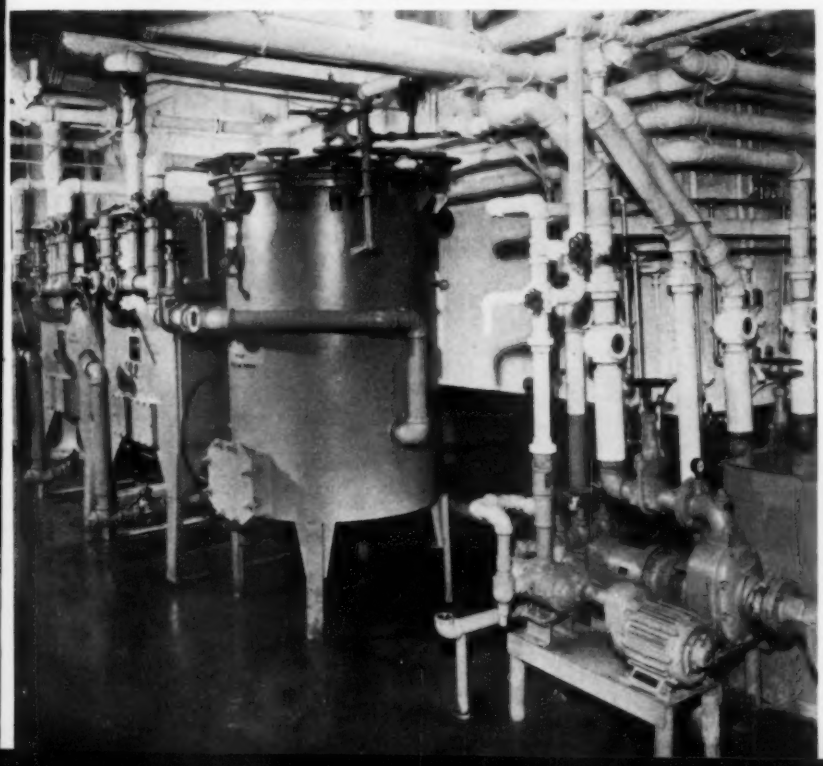
It is that and more.

Plant attains prestige

Spic and Span was a charter member and remains a contributor to the National Institute of Drycleaning, founded in Milwaukee in 1907 as the National Association of Dyers and Cleaners.

The impact of the Spic and Span methods and contributions has earned the company many honors. The most important of them is the recognition given by the Varsity International

Fresh paint, excellent lighting and good housekeeping make this plant a joy to visit



Here are the eight principles behind the sound training program used at Spic and Span Cleaners:

FACTS ON TRAINING

1. We operate on the premise that people dislike doing the things that they do not know how to do well, and that they like to do the things that they know how to do well. Therefore, it follows that if we wish our employees to do their jobs well, it behooves us to teach them and train them so that they know how to do their individual jobs well.

2. We further believe that training must start from the top and that everyone in a management position must first be trained how to do his job properly. Then, in turn, the supervisory personnel are in a position to train the rank-and-file employees.

3. Basically, principles of training are the same for all types of categories, although it stands to reason that certain emphasis is placed on different areas depending on whether the individual is a store clerk, a routeman, or a production employee.

4. After we are certain that our supervisory staff understands thoroughly the methods of training, we then proceed to both group train and individually train our employees.

5. We find it necessary to frequently review our training with our supervisory staff to make sure that they haven't forgotten the techniques of training. Example: This evening we are having a meeting of our store supervisory people to refresh them in the principles of properly training our store personnel. This is being done in anticipation of an all-out effort to train and retrain our store girls right after the first of the year.

6. The policy that "if the student hasn't learned, the instructor hasn't taught" is a very sound one. Actually we must always bear in mind that the performance on the part of our rank and file employees is nothing more than a reflection on supervision's ability to train properly.

7. The essential part, we think, of a training program is to first, recognize that training is important; second, why it is important; third, develop better techniques for training; and fourth, consistently review and remind everyone about the above three.

8. Ever since the War Manpower Commission developed the program of training within industry, we have been using their techniques and find them sound and effective.

Conference of Dry Cleaners, an organization formed in 1944 to gather into a society the world's 12 outstanding drycleaning firms. It was formed by Paul C. Trimble, former editor of The National Cleaner & Dyer, famed for his detailed knowledge of the industry. His goal was to bring together the best firms in the industry in an organization dedicated to improving drycleaning methods and standards. Before that association with the magazine and up to the present time the management of Spic and Span has looked to National Cleaner & Dyer for help and ideas.

Membership in Varsity is not a lifetime proposition, but is on a year-to-year basis. Each year Varsity members measure the contributions of all other members during the past 12 months. The nine with the best records of achievement are retained and three new firms elected.

Spic and Span was a charter member of Varsity and is the only firm that has retained its membership continuously. Messrs. Miller and Plous point to the record as another assurance for Spic and Span customers that the firm is constantly making a dedicated effort to provide quality and service.

Sound personnel policy

Contributing to the standing of Spic and Span has been its personnel, engaged only after professional screening. All supervisory help receives training from industrial psychologists employed by a local psychological association. Part of this training includes sound interviewing techniques.

In the sales force, the girls in the stores, as well as routemen, work on a system encouraging the feeling "they are in business for themselves." This is done through education and training, plus bonus plans over and above regular commissions. They are aware of the fact that they are in business, without the risks that a personal business entails.

The company makes every effort to provide them with the skills and equipment to maintain the highest standards of customer relations. Spic and Span discovered employees did the best what they knew and liked the best. Through its training program Spic and Span has concentrated on sharpening an employee's skills in unfamiliar areas, thus giving him assurance in all parts of his job.

High employee morale is maintained by the workers' sure knowledge that best efforts can and will win a place at the top. Another factor in developing bright worker attitudes is a series of company-sponsored parties and outings, usually by department.

As a further evidence of Spic and Span's belief that quality will bring its own reward the company was one of the first to turn to a professional advertising agency for advice. That decision was made in 1934 and eight years ago the company added the services of a public relations firm.

With their aid, Spic and Span has silently and publicly supported a variety of community programs. There was the gift to the new Milwaukee Zoo of two white llamas—their names Spic and Span, of course.

Braves "adopted"

The Milwaukee Braves National League baseball team is a focused example of support for a community effort. Since the team came to Milwaukee in 1953, Spic and Span has been a solid and vocal backer and fan. It has sponsored the weekly live television quiz show "Playball," featuring Braves players, or their wives when the team is on the road.

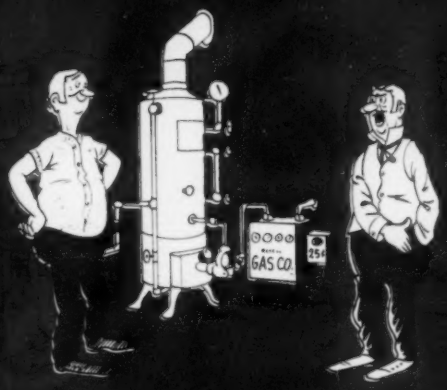
Each of the last three seasons Spic and Span has prepared a Braves' picture series made available to the small-fry fans. This past season the company produced a set of glasses featuring autographs of the Braves who opened the year as World Champions.

There also has been the sponsorship by Spic and Span, without commercial credit, of television and radio programs saluting the Braves when they won the National League flag and world title in 1957 and repeated as league champions in 1958.

Catcher Del Crandall, the articulate and intelligent captain of the Braves, was added to the Spic and Span staff this winter in a public relations capacity.

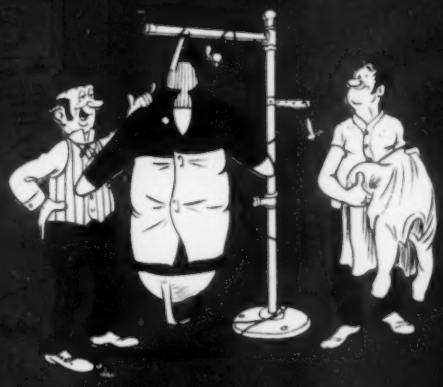
One of the company's biggest promotions was launched when it entered the family laundry field. To dramatize the fact that it now offered complete laundry service, as well as drycleaning, to meet every need in the home, Spic and Span gave away a delightful $22,000 house.

"We have supported community efforts, the city, its traditions and wholesome activities because we feel that Milwaukee has been good to us and we are determined to show our gratitude for the confidence that has been placed in us," said Miller and Plous. "Such confidence fills us both with humility and pride and we are determined to continue meriting it. To do so we know we must provide perfect quality service at the fairest possible price; it's as simple and demanding as that." # #



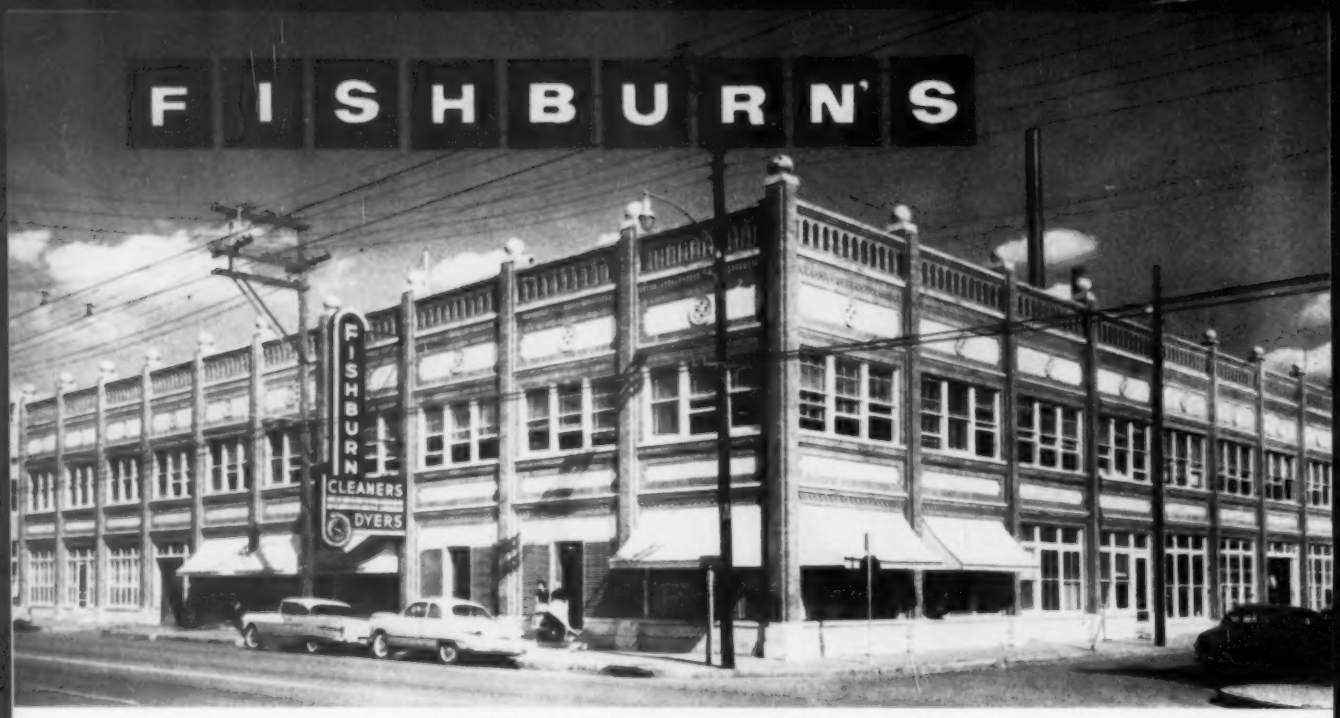
"What do you think ... this may be the world's first coin-operated dry-cleaning plant"

"Naturally, debugging a motor truck will be more difficult. You aren't have a horse to remember suggestions for you."



"Hardly a place there still pays to be a better dressed corpse."

"One more week of only 31 days per month, Elmer, and you're back to a horse and buggy."



Sound business practices built this block-long plant

7 *Reasons* for This Success Story From Dallas*

- * Quality
- * Continuous advertising
- * Expansion
- * Equipment and workflow
- * Employee morale
- * Diversification
- * Management teamwork

By ART SCHUELKE

CHANGES BY THE SCORE have occurred in the drycleaning industry over the past half century. Here is the story of an old-line plant that has kept pace with those changes and grown with the industry. Fishburn's of Dallas, Texas, goes back into history a bit farther than that, having started in 1907. Even though it began as a small plant, it is now one of the giants in the field.

In the beginning Fishburn's had 24 employees, including four route salesmen. The records of the original payroll and salaries reveal that these costs for the first year of operation were about $30,000. Today there are approximately 300 employees and the annual payroll is in excess of $1,000,000. The firm plays an important part in the economy of Dallas.

There are many reasons for this sound organization's existence, as we shall presently see. But perhaps the early motto of the company reveals the basic reason for its success. It was built on the precept of "Not how cheap, but how good." (A principle that should give a few cleaners some food for thought.)

Some 53 years have passed since W. B. Fishburn and Frank B. Slater started their drycleaning business in Dallas—at the same location the firm now occupies. Teddy Roosevelt was halfway through his second term as president, and the United States Army Engineers had just started building the Panama Canal. A disastrous financial panic gripped the country. Millions were out of work, and growth, as well as economic progress, was paralyzed.

In spite of these conditions, it was

during the panic year of 1907 that ex-railroader Frank B. Slater decided to start his own business. Up to that time he had traveled in just about every state of the Union. He had lived in Mexico and Alaska. Based on his travels and observation of conditions around the country, he selected Dallas as the best place to beat recessions.

He had two equally optimistic brothers-in-law who formed a partnership to go into business. These were Fred Brannon of McKinney, Texas, and Claude Brannon of Ennis, Texas, who joined Frank to begin the Ideal Laundry Company just a few doors from the present plant. Today Frank Slater's three sons and one grandson are still operating as a family in the cleaning and laundry business. The Slater holdings comprise the Fishburn Cleaning and Laundry and the Ideal Laundry in Dallas. They have 9 service branches and 16 routes.

Incidentally, for those who think route selling is passé and impossible to cultivate, this firm's routes *average* just under $1,000 a week, apiece.

In addition to the Dallas operation, the Slater family owns Slater-White, Inc., Cleaners with one additional service branch in San Antonio, Texas.

The founder of the Slater business was born in Mercer County, Illinois, where he earned his first money working on a farm. An orphan, he stayed on a relative's farm until his mid-teens. He traveled south to join an older brother who was railroading in Mexico. There he met and married his sister-in-law's younger sister, Martha Alice Brannon.

Their first child, Denys R. Slater, was born in Monclava, Mexico, during the agrarian revolts against Mexican President Porfirio Diaz. This dangerous Mexican situation prompted Frank Slater to move his family to Sherman, Texas, where the French Huguenot family of Brannons had preceded him. There the second son, Orval A. Slater, was born. (The eldest, Denys, heads the Fishburn operation in Dallas.)

The young, growing family returned to Mexico for two more turbulent years and then moved to Alaska. Another brother of Frank had gone there previously and made a fortune prospecting for gold. He ultimately lost all his gold dust and nearly lost his life in a shipwreck. The Slaters didn't find Alaska to their liking so the family moved to a cattle ranch in Longmont, Colorado.

Here their third son, Vernett B. Slater, was born. He now is president of the Ideal Laundry Company and is also first vice-president of Fishburn's. While the family did well financially in Colorado, the altitude and climate

Continuous Advertising

Excellent relations with Dallas fashion manufacturers produced this forceful ad

Quality

De luxe-service garments get stuffed with tissue paper, a special hang tag and slip-proof hanger guards

Suggested Ad Schedule For Newspapers Based On Staff Conference

Month	Week	Major Advertising	Promotional Items
July	*1st*	*Wash 'n Wear and Crispness*	*none*
	2nd	*Wash 'n Wear and Crispness*	*none*
	3rd	*Wash 'n Wear and Crispness*	*none*
	4th	*Laundry and Shirts*	*none*
Aug.	*1st*	*Laundry and Shirts*	*sportswear (1)*
	2nd	*Laundry and Shirts*	*sportswear*
	3rd	*Laundry and Shirts*	*Hats (2)*
	4th	*Laundry and Shirts*	*Hats—back to school (3)*
Sept.	*1st*	*Quality Cleaning (and laundry)*	*Back to school*
	2nd	*Quality Cleaning (and laundry)*	*Hats*
	3rd	*Quality Cleaning (and laundry)*	*Water Repellent (4)*
	4th	*Quality Cleaning (and laundry)*	*Water Repellent*
Oct.	*1st*	*Quality Cleaning (and laundry)*	*Water Repellent*
	2nd	*Fashion in Rainwear*	*Fall Parties*
	3rd	*Summer Storage*	*Change to Fall-alterations (5)*
	4th	*Summer Storage*	*Shoes (6)*
Nov.	*1st*	*Summer Storage*	*Shoes*
	2nd	*Quality Cleaning*	*Shoes*
	3rd	*Quality Cleaning*	*Party and Evening Wear (7)*
	4th	*Quality Cleaning*	*Party and Evening Wear*
Dec.	*1st*	*Deluxe Cleaning and services*	*Party and Evening Wear*
	2nd	*Deluxe Cleaning and services*	*Party and Evening Wear*
	3rd	*Party and Evening Wear*	*Table linens (party wear) (8)*
	4th	*List all Fishburn's Services (branches)*	*Table linens (party wear)*
Jan.	*1st*	*List all Fishburn's Services (branches)*	*Table linens*
	2nd	*Household*	*Table linens*
	3rd	*Quality Cleaning (and laundry)*	*Household (9)*
	4th	*Quality Cleaning (and laundry)*	*Household*
Feb.	*1st*	*Water Repellent*	*Household*
	2nd	*Quality Cleaning and Deluxe Cleaning*	*Necktie special-alterations (10)*
	3rd	*Quality Cleaning and Deluxe Cleaning*	*Necktie special-alterations*
	4th	*Quality Cleaning and laundry*	*Necktie special-alterations*

Special services not listed as yet:

Leather cleaning and gloves
Wedding dresses
Pillows

Key to promotional items at left

(1) Sportswear (promote in ads and with one stuffer)

This would be a special message on keeping smart and crisp in your sports and leisure wear. No need to look rumpled. Don't confuse casual with carelessness! Keep looking neat and fresh whether out in the backyard (friends drop in so suddenly these days!) or simply watching TV or reading the Sunday paper.

(2) Hats (promote in ads and with one or two stuffers plus sales contest and point-of-sale cards)

Same basic theme as last year—"get your hats in while we have the time to do a good job, etc." List all we do.

(3) Back to School (promote in ads and with one stuffer)

In ads merely mention that young folks NEED to go back to school looking neat and proper—it means so much to THEM. You'd be surprised at what a difference Fishburn's cleaning (and alterations) can do for a youngster's morale —not to mention his or her appearance!

(4) Water Repellent (promote in ads and with one stuffer)

Sell "fashion" in rainwear. Quell the fear that after cleaning the coat will not be rain-repellent. Tell of water-repellent treatment for hunting clothes, coats, jackets, topcoats, etc. Sell on the softness of Fishburn's repellent. Tell that we automatically treat all raincoats with water repellent. Fishburn's water repellent is as fine as any anywhere.

(5) Fall Parties and Alterations (promote in ads only)

Remind them of the parties coming up—getting clothes ready so they can ACCEPT those last-minute invitations! Minor alterations can tie in—also repairs. Come in for a fitting, we urge you.

(6) Shoes (promote in ads and with one stuffer plus point-of-sale cards)

List the types of services performed—much as in the last stuffer. Promote a "package deal" special—such as: "soles, heels and polishing for only $2.75 for the average pair, etc." Attractive cards in all branches.

(7) Party and Evening Wear (promote in ads only)

Tell of the super service Fishburn's provides to delicate fabrics and complicated design features. Men's AND women's clothes—also children's party dresses. Use an emotional appeal here. Make it seem that the clothes MAKE you enjoy the party more . . . MAKE you glad you're invited and having them ready in advance means you don't panic (i.e. what am I GOING TO WEAR!)

(8) Table Linens and Party Wear (promote in ads plus one stuffer)

Show how festive banquets, dinners, buffets and even informal gatherings demand your finest linens—it shows respect to your guests. Be sure they are the whitest white—or the brightest colors. Laundered to perfection by Fishburn's and packaged as though they are important—because to us they ARE! Show samples of packages. Tie in party wear lightly—such as: Party linens must be party perfect—and, of course, YOU will want to be party perfect too, etc. etc.

proved too much for Mrs. Slater, so they moved to Dallas.

As we said before, Frank and his two brothers-in-law agreed that Dallas was the coming city of Texas. Together they founded the Ideal Laundry Company, despite the panic which had gripped the country. While the business proved successful in the face of business conditions, the partnership didn't. Most of the management duties fell upon Frank. He tried to buy out his partners, to make his efforts worthwhile, but they wouldn't sell.

As a result, he joined W. B. Fishburn of Fort Worth, Otto Herold and others in 1912 to organize a cleaning business. Mr. Fishburn had been in the drycleaning business in that city since 1901. The first building of the new Dallas organization was finished and occupied in 1913. (By 1924 it had doubled in size.)

Frank Slater bought out Mr. Fishburn's interest in 1914 and later purchased that of Mr. Herold who had meanwhile set up another firm, Oriental Cleaning Company. During the depression in 1931, Mr. Slater merged the two firms as Fishburn-Oriental, still the official corporate name. In 1936 the original firm, Ideal Laundry, put in a drycleaning plant, so Frank Slater added laundry the next year.

Then, following the full circle, the Slater sons took over Ideal in 1953. Although a separate corporation, with Vernett B. Slater as president, Ideal has a board membership identical with Fishburn's.

Sons "apprenticed"

The elder Slater was determined not to pamper his sons. The boys went to work in the plant early in life. When Denys was but 14 and attending school, he spent Saturdays and vacation periods working for his dad. This practice persisted even through his college and university days. The youngster learned every job in the plant, from stretching curtains to spotting, pressing and office work.

Denys left college in 1923 to become a plant supervisor and in 1927 was elected a vice-president of the company. That same year he opened the firm's first branch. Since then he has continually expanded its operations, including two more self-contained cleaning branch operations. In 1945 Denys was made president when his dad became board chairman, a year before the latter's death.

Two generations of Slaters have served Dallas for decades. Now the third generation is active in the business. Denys, Jr., joined the company in 1955. This was after he had a job on his own in a Miami, Florida, plant. He has since been elected a vice-president of Fishburn's.

More than 20 centuries of industry experience are represented in the people who now work at Fishburn's. Records ranging up to 50 years continuous service were found by President Denys Slater in preparing for Golden Anniversary pins. These were awarded at the firm's fiftieth anniversary celebration in September 1957. Nineteen employees have been with Fishburn's more than 25 years, with an average record of 36 years. About half the staff has been working for the firm for more than five years.

So much for the history of the company. Now let us take a deeper look at what made this firm click. Of course it all stems from the business acumen of founder Frank B. Slater. In addition to his administrative abilities, he had still another talent. Without benefit of "motivation research" he had the ability to recognize the customers' wants and to fulfill them.

As we said in the beginning, he built his business on the slogan "Not how cheap, but how good." Even in those early days of the business he knew that people would pay for value

(9) Household (promote in ads and in two separate stuffers—one on household linens and one on upholstery and draperies)

Make the customer disgusted with her draperies and chairs and couches and pillows. Show them how dirt is hidden and how it gets ground in and shortens the life of fine furniture, curtains and draperies. Make them appreciate fresh, crisp table linens and napkins, etc. Use emotional appeal here.

(10) Necktie Special and Alterations (promote in ads and in one small stuffer)

Offer a special on ties—25¢ each or five for $1.00 and tell how Fishburn's cleans ties very carefully—painstakingly seeing that the back seam is NOT pressed through; how expert fabric knowledge assures that we can handle those extremely delicate fabrics in ANY necktie. How, in effect, it gives you brand-new-looking ties . . . and when you have good ties, you know what a bargain this can be! Also tie in alterations for men—(possibly even narrowing the older wide-width ties for a package price through an outside source)—the regular Fishburn's services of buttonhole repair, rips, tears, shorten or hide worn places in cuffs, heel straps, new pockets, reinforcing the seat, waist, length and crotch alterations. Come in for a fitting—ask for our expert, C. T. Haden, who handles all men's fittings personally. (Later on may also mention ladies' alterations such as putting in new zippers, lowering and raising hems, etc.—ask for Mrs. Parker.)

"Oh, Dad still chases them . . . but he can't remember why."

Expansion

Firm is now expanding through activated branch plants

received, would buy a service that measured up to the claims made for it.

Quality starts right in the marking department. Each and every garment is checked carefully and noted for repairs and the like. The garments are then turned over to the prespotting department for treatment — all of them. After cleaning in the latest type equipment (more of that later), silks and wools are sent to separate departments for spotting.

The finishing department is staffed with plant-trained people, who have individual units to enable each operator to do a complete job. There are six people who do nothing but inspect the ladies' garments. Three employees inspect the men's work. The high volume of ladies' garments is a tip-off on the fine acceptance this firm has in its market. There are 10 to 12 seamstresses who handle free repairs. This crew varies with plant volume, but it never falls below the 10 figure.

A separate finishing department handles the firm's de luxe service, which is about 10 percent of Fishburn's volume. A good part of this business comes in by mail order. Not only do they get work from the home state of Texas; just about every state in the Union has sent in work at one time or another. Other orders come in regularly from Alaska, Africa and Europe—at least 20 a day.

This service is advertised as hand-finished and that's just what it is. Pants pockets, bindings and linings are all hand-finished. The same careful finishing goes into ladies' apparel, too. After finishing and minute inspection, together with necessary repairs, the garments are given special packaging. Tissue paper is used liberally in stuffing sleeves, dress bodices and the like.

The firm uses both polyethylene and paper garment bags, leaning to the former. Sweaters and ties are similarly wrapped in poly. On the de luxe service the trousers are hung from the hanger by the belt, rather than folded over the hanger. Heavy cardboard boxes handle the out-of-town work.

The company specializes in wedding gowns and uses a double carton for which they get $18.75, plus the cleaning and finishing charge. The inner carton has a cellophane top so the garment can be viewed from time to time by the proud bride.

All work, standard or de luxe, is thoroughly treated. That is, cottons and similar items are properly resized. On regular work everything, outside of hand-finishing on the de luxe work, is done to make the garment as like-new as possible. Fishburn's returns the garment ready to wear. Missing

Equipment and Workflow

This silk spotting department has the latest equipment and lighting

buttons, seam rips, linings, tackings are all taken care of for its customers.

Some of the get-rich-quick boys who figure free repairs, sizing and other "frills" are unnecessary might get a different slant on things if they visited Fishburn's. This plant produces more volume in a few weeks than most of them do in a year. Remember, the payroll at Fishburn's runs in excess of one million dollars a year. And the firm produces a substantial profit. It is not a charitable institution. It knows people will pay a fair price to get the work done right.

Sound advertising program

This plant is one of the pioneers in the field of advertising. It has used the professional services of an advertising agency for years. The backbone of its planned annual programs is newspaper advertising. Radio is next in importance as a medium. Store displays, bundle stuffers and mailing pieces are also used.

Fishburn's is in the newspaper continually. A typical schedule calls for at least a weekly ad. Radio advertising will fluctuate, from 7 to 120 spots a month, depending upon the season and the need to promote specialty items.

There is a particular attitude of cooperation between Fishburn's and its advertising agency. Denys Slater says, "A good ad agency could well be called a part of a policy-making committee." In their case, this is especially true. The agency people in charge of this account have spent a great deal of time riding with route salesmen, to get the "feel" of the business. Agency men periodically "shop" the branch outlets of Fishburn's to see that the public is being treated courteously and fairly. They make sure that the call offices are neat and attractive, that the promotional material for these outlets is properly displayed.

Agency representatives participate in sales meetings for the personnel. They explain the themes of different campaigns; what is behind these promotions and what the promotions mean to the employees. Together with plant personnel they have been doing their own motivation research of their customers and prospects. Wash-and-wear has played an important part in their advertising copy for nearly three years now.

An interview with Evans Wyatt from the agency revealed some interesting things. He said that Fishburn's is not advertising just for the sake of running ads. There is a thoughtful approach behind everything it does. For example, not long ago it was decided to run a tie promotion. The copy for newspaper ads and spot announcements for the radio were carefully prepared and timed. The company took in over 2,000 ties in three days.

A similar promotion on hats over a two-week period brought in hundreds of hats—at $7.50 per order! Storage business in 1958 was up 12 percent over the previous year.

Such results are not accidental. It gets back to research and careful planning.

For a long time Fishburn's gave all its spot-announcement business to what everyone considered the two "leading" stations. It paid $7 a spot. But research by the agency showed that audience interest had shifted to other local stations. These people were charging $12 and more per spot. In spite of the increased price, Fishburn's shifted and is getting more out of its advertising dollar.

We will learn later about weekly management conferences. The advertising agency is called upon periodically to sit in on these conferences. This serves two purposes. It keeps the agency abreast of company thinking. It also brings about a meeting of minds on what promotions should be considered. Schedules for six months in advance are taken up at these meetings, too.

Thanks to professional help, the firm gets space in the papers for newsworthy items. Fishburn's latest activated branch recently served its ten-thousandth customer. The event drew a story one column, 15 inches long, plus two photos measuring two columns, 9 inches long.

The agency man had a good tip for plantowners. He said to take advantage of the aids that most newspapers have available to their advertisers. In addition to mats that are on hand he also suggested that merely a rough sketch for illustration is usually sufficient. The paper will handle the art work if the ad is run.

We mentioned earlier that the firm advertises consistently. Long-range planning and firm budgeting play an important part in any successful merchandising. Last year this company spent 4 percent of its gross sales for advertising.

Expanding with the market

We have already related how the firm has purchased some competitive firms. Part of this was probably at the invitation of the competitors; part of it probably due to the Slaters' desire to expand their facilities and services.

There is another facet of their expansion that holds a lesson for other cleaners. Through the years they have increased their route coverage by 400 percent. This was due to the growth of Dallas, in part. The rest of it came from the realization of the owners that quality cleaning customers like this kind of service. Even as they have added branch outlets, these have not been competitive to the routes. On the contrary. Whenever call offices and even activated branches were opened by Fishburn's, the routes in

Employee Morale

This salesman typifies morale at Fishburn's. Picture was taken many years ago, but he's still going strong with 38 years of service!

TABLE OF STANDARDS—

Cleaning Wetcleaning

	Pounds Per Operator Hour	Operator Hours Per 100 Lb.
Cleaning Room Operation	125.0	.80
Wetcleaning	Day Work	

Spotting

Operation	Pieces Per Operator Hour	Oper. Hrs. Per 100 Pieces
Spot regular ladies' run (respots due to operator spotting are counted once)	22.0	4.55
Spot fine or fancy ladies' pieces (formals, wedding gowns, etc.)	10.0	10.0
Spot men's pants (respots due to operator spotting are counted once)	67.5	1.42
Spot men's coats, shirts, etc. (respots due to operator spotting are counted once)	67.5	1.48
Inspect ladies' pieces for passups, spots, and wetcleans	140.0	.71
After spotting inspection	Day work	
Basket girls	Day work	
Service	Day work	
Respots	25.0	4.00

Note: Spotting standards for men's pants, coats, shirts, etc., include the inspecting of all pieces, passing up pieces requiring no spotting and spotting all pieces requiring same.

35% of total sweater count will be applied to standard 3-1 for operator processing sweater loads.

Men's Finishing

Operation	Pieces Per Operator Hour	Points Per Piece
Top pants	55.5	1.8
Leg pants	55.5	1.8
S. & t.u. suit coats	21.6	4.7
Press suit coats	17.5	5.7
S. & t.u. long coats	23.0	4.4
Press long coats	18.5	5.4
S. & t.u. jackets	20.8	4.8
Press jackets	17.0	5.9
Finish sweater vest	41.6	2.4
Finish sport shirts	12.5	8.0
Finish raincoats	—	50.0
Finish vests	50.0	2.0
Finish belts	100.0	1.0
Finish windbreaker	12.0	8.3
Finish caps	50.0	2.0
Finish shorts	28.6	3.5
Iron coat linings	42.6	2.34
Coat collars	—	1.4

Note: Allowances for wetcleans — 1½ x dryclean points.

Men's Miscellaneous

Operation	Units per Operator Hour	Unit	Oper. Hrs. Per 100 Units
Stretch legs on wetcleaned pants	58.7	Pr.	1.7
Stretch waistbands on wetcleaned pants	29.4	Pr.	3.4
Iron inseams-pockets on wetcleaned pants	29.4	Pr.	3.4
Sew buttons or ornaments	40.0	But.	2.5
Free repairs—minor—tack cuffs, etc.	32.0	Pc.	3.1
Free repairs—major	20.0	Pc.	5.0
Paid repairs	45% of revenue		
Inspect pants after finishing	120.0	Pr.	.83
Inspect coats, etc., after finishing	100.0	Pc.	1.00
Assemble and check out finished pieces	125.0	Pc.	.80
Place pants guards on hangers	550.0	Hgr.	.18
Place hanger covers on hangers	412.0	Hgr.	.24
Service	Day work		
Breakdown wetcleans	143.0	Pr.	.70

Ladies' Finishing

Operation	Pieces Per Operator Hour	Points Per Piece
Unit-finish plain dress. 4 pleats or less and no fancy ruffles or bustle	9.4	10.4
Unit-finish fancy dress. Over 4 pleats or with fancy ruffles or bustle	7.0	14.3
Hand-iron dress—complete hand-iron opertion	5.0	20.0
Unit-finish plain blouse—no fancy work (pleats, ruffles, etc.) on garment	13.7	7.3
Unit-finish fancy blouse. Fancy work (pleats, ruffles, etc.) on garment	10.0	10.0
Hand-iron blouse—complete hand-iron operation	7.5	13.4
Unit-finish plain skirt—4 pleats or less and no fancy work on garment	24.4	4.1
Unit-finish fancy skirt—over 4 pleats or with fancy work on garment	14.0	7.2
Hand-iron skirt — complete hand-iron opertion	12.0	8.5
Unit touch-up of wool jackets or short coats — steaming not included	15.9	6.3
Steaming wool jackets or short coats prior to touch-up	47.6	2.1
Combination standard for steaming and touch-up of wool jackets or short coats	11.9	8.4
Unit touch-up of ladies' long coats—steaming not included	15.0	6.7
Steam ladies' long coats prior to touch-up	45.4	2.2
Combination standard for steaming and touch-up of ladies' long coats	11.2	8.9
Unit-finish housecoat—coat unlined	9.4	10.6
Unit-finish housecoat—coat lined	7.5	13.4
Hand-iron housecoat—complete hand-iron operation	4.0	25.0
Unit-finish slip	15.9	6.3
Unit-finish nightgown	15.9	6.3
Unit-finish slacks	17.0	5.9
Unit-finish pajama coat	22.7	4.4
Unit-finish pajama pants	24.4	4.1
Unit-finish formal	4.0	25.0
Hand-iron formal — complete hand-iron operation	2.0	50.0
Unit-finish formal skirt	9.0	11.1
Hand-iron formal skirt—complete hand-iron operation	4.9	20.4
Unit-finish ties	38.0	2.6
Unit-finish belt or scarf	66.5	1.5
Unit-finish shorts	25.0	4.0
Unit-finish playsuit	17.9	5.6
Unit-finish halter	40.0	2.5
Unit-finish purse	33.3	3.0
Finish linings	34.4	2.9

Note: Allowances for pieces other than regular run:

De luxe—	*1.45 x regular dryclean points*
Dyes—	*3.0 x regular dryclean points*
Wetcleans	*1.5 x regular dryclean points*

Ladies' Miscellaneous

Operation	Units Per Operator Hour	Unit	Oper. Hrs. Per 100 Units
Finishing service	Day work		
Sew ornaments or buttons	40.0	But.	2.5
Free repairs	18.1	Pc.	4.7
Paid repairs	45% of revenue		
Tally pieces	Day work		
Inspect pieces	120.0	Pc.	.83
Assemble and check pieces	89.0	Pc.	1.12
Furs	Day work		
Knits	Day work		
Bag orders	120.0	Bag	.83

those areas increased their volumes. And every branch has been successful, as well, thanks to careful market analysis.

Here is one of the most significant items in the growth and development of Fishburn's. Its latest expansion has been through decentralization. In keeping with the latest industry thinking, it is now growing through activated branch outlets.

Rather than add to the supervisory burden and the high breakeven point at the main plant, it is tapping new markets through package plants. It presently has two in Dallas and certainly more on the way.

Fishburn's latest, now almost a year old, is located in a rapidly growing suburban area. It is in a shopping center and occupies some 1,700 square feet. Like the other package plant, it is equipped with a synthetic cleaning machine, plus essential finishing equipment. All same-day work is done on the premises. Regular work, shirts, laundry and other sidelines are sent to the main plant.

We are very proud that the efficient layout in this up-to-the-minute operation came directly out of the pages of The National Cleaner & Dyer. Our "Guide to Plant Layout" was used to set up this profitable outlet. It operates with six employees, including the supervisor, counter help and productive crew. There is no lost motion here.

This plant has another distinction. It is one of the few in Texas—in the entire country—that is completely air-conditioned. It has a 15-ton refrigeration unit, installed at a cost of $4,000 to give complete comfort to customers and employees.

This, like the other branch plant, has its own working supervisor. He works on a salary plus incentive on sales and costs, which works out to the satisfaction of everyone. It's like being in business for himself.

Sound location selection and modern equipment make this a profitable operation. Within four months of its opening it was doing what had been predicted would take nearly a year to accomplish. It has steadily run at least six months ahead of volume expectations.

The synthetic washer-extractor, air-driven presses, a steam-air-vacuum spotting board and through-the-unit production with good workflow have had their part in the profit picture here.

A final word about this firm's successful truck operations. The men work on a straight commission deal, but since the routes average close to $1,000 a week, they earn salaries that are comparable with or better than for similar sales endeavors.

The equipment for the routes and shuttle runs is maintained by company mechanics. Three men take care of the servicing jobs of washing, greasing and engine maintenance. Body work is handled by an outside source. Overnight, trucks are kept inside the company garage or under cover in parking stalls used by production employees during the day.

Management Teamwork

These members of the supervisory staff have more than 25 years of service each with Fishburn's

Diversification

A mailing piece helps sell sideline service by explaining how it's done

Modern methods and equipment vital

Like any progressive organization, Fishburn's realizes it must keep pace with or be ahead of the times. In one classic case it was way ahead. It made its own moisture-carrying soap for a long time until such a product was readily available from commercial sources.

Air-driven presses are old hat at Fishburn's, as are modern steam-air-vacuum spotting boards. The owners know that they can increase efficiency and quality with the proper tools. Similarly, the cleaning room at the main plant was brought up to date a few years ago. Their "conventional" washers turned out a good job, but the multiple handling of garments re-

Activated branches use synthetic cleaning equipment

Four modern petroleum washer-extractors handle main-plant work

Good housekeeping in tumbling room typifies the entire plant

Layout in this activated branch follows recommendations of The NATIONAL CLEANER & DYER

quired extra help and the extractors wasted valuable floor space.

So this equipment was turned in for four washer-extractors, each with a capacity of 120 pounds. Cleaning room personnel was cut in half. The plant did retain one small pony washer, a filter and extractor which is used for reruns, sizing and specials. The main plant uses petroleum solvent, while the two branches are on synthetic.

The work moves through the plant on slickrails. As mentioned earlier, the garments are processed through the unit. They come in on one side of the operator and go out the other. Assembly is done by the split-ring method, so far recognized as the most efficient way.

The main plant is a two-story affair, with finishing and spotting as well as sewing and assembly done upstairs. After tumbling, the work is transported to the upper level by elevator. Finished work returns to the lower level for route and call-office storage.

Morale is high

Fishburn's owners are rightfully proud of the long-time record of employment of their personnel. Over 10 percent of the force has been with the firm for more than 25 years.

There are several sound reasons for this. They are given the most modern equipment available to help them turn out quality work with reasonable speed. They are properly trained in their work. Then, with the ability and the tools provided, the employees all work on an incentive system. So many points represent the norm. As they surpass the norm, they receive a bonus. (The charts on this are illustrated elsewhere in the text.)

On top of this, everyone on the crew participates in a profit-sharing and pension plan. Retirement is elective at age 65 at half pay. The fund for this is completely paid for by the company. After six months of employment the employee is eligible to receive a $1,000 life insurance policy. Supervisors get a $2,000 policy. There is also a group health and accident plan. The cost is very nominal to the employees since it is a group plan and, also, the firm voluntarily pays 40 percent of the premium.

Everything about the physical setup is conducive to good morale. An engineered lighting job with fluorescent fixtures is easy on the eyes. We already told of the refrigerated air conditioning in the branch. Nearly 62,000

square feet of space are air-conditioned in the main plant. This is done by large evaporative cooling units. Each work station has its own ducts that are controlled by the operator for individual comfort.

The call office and business offices are also cooled by the same method. Here, however, central outlets supply the fresh, cooled air.

In other words, Fishburn's recognizes the individual, and puts back a substantial part of the profits into employee benefits. The results speak for themselves.

Another typical Fishburn touch is the annual Christmas party. *All* employees exchange nominally priced gifts, including the Slaters. Names are drawn at random; everyone gives one present and receives one. Five Santa Clauses cover the various departments to pass out the gifts.

The employees gather together, on company time, to put on a short program and partake of refreshments. The affair is opened with a prayer, then the group sings some songs. The program closes with the National Anthem.

This and the other things the firm does build up a tremendous spirit of "belonging." Some of this is generated by the fact that this organization is headed by a family with a strong family feeling. This is no absentee management. It's a working management.

Sensible diversification here

Sidelines play an important part in the over-all volume of Fishburn's. The de luxe service previously described not only brings in dollars; it adds to the company's prestige throughout the area. And wedding gowns are a big item, thanks to the special packaging used here.

Sizing is used on everything that requires it, whether it's regular or de luxe service. By the same token all coat linings are touched up on both services.

Shirts and other laundry services are available to the firm's customers since Fishburn's also owns and operates the Ideal Laundry next door to the main plant.

Another sideline done by the firm is leather and suede refinishing. It is a completely set-up department, with the proper dyes and finishing equipment. The personnel has been trained in the special skills leather work requires.

At one time the company handled its own dye work. However, this took

Free repairs have helped build this firm's volume

Even fast service at the branches gets careful attention to details

Performance records are posted daily, provide an extra reason for good output

Each finisher has complete setup to do the entire garment without wasting steps

Split-ring assembly has been used at Fishburn's for years

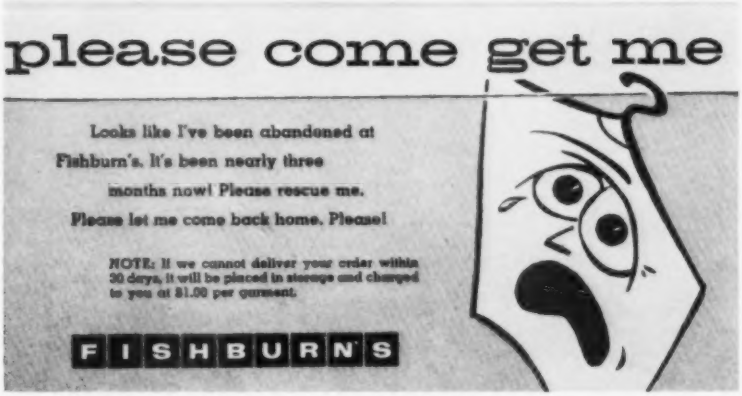
Neat call office at branch plant features sweater bar display

up valuable floor space, steam and supervision. Many years ago management wisely decided it was far more profitable to farm out this work to professional redyeing firms. The firm solicits dye business, but screens the garments carefully before accepting them to make sure the job will be satisfactory. Those that are accepted are sent out and then finished at the plant.

Fishburn's works on a 33⅓ percent margin on dye work and three other sidelines that it sends to wholesale processors. These include pillows, hats and shoes. Thus it is able to offer its customers a full service, without sacri-

Three generations of Slaters run the business. Left to right: Denys, Jr., Vernett, Mrs. Frank B. Slater, wife of the founder, Denys, Sr., and Orval

Just as Fishburn's plows back some of its returns in employee benefits, so does the Slater family work for the betterment of the community in which it lives. All engage in various civic activities. To mention just a few, Denys heads up the annual Red Cross Drive for Dallas County. Orval is chairman of the United Fund, while Vernett is chairman of the Heart Fund Drive. Third generation Denys, Jr., is presently the division head of the local Community Chest.



Effective mailing piece helps keep unclaimed garments down to a minimum

tatives of the advertising agency are called in to these meetings to discuss ad budgets and future campaigns, in addition to a review of past results.

These meetings are attended by production and salespeople in supervisory jobs and by the members of the Slater family. They all have an equal voice in the decisions, which is what makes the idea work.

There are two policies at Fishburn's that require special mention, if this report is to serve as an example of sound business methods. They are the

A special department does the finishing on de luxe service work

ficing space, equipment and personnel on some of the lesser services.

Fishburn's has its own refrigerated storage vault on the premises. The lush market of Dallas makes this a highly profitable part of its business. Household items, if they can be called a sideline, are important to the overall volume, too. The popular drapery fold is available to Fishburn customers.

Management teamwork

Ever since Frank B. Slater began his business, it has been operated on the premise that collective thinking and planning pay off, and they have. There is a management staff meeting every week. This is a luncheon session, running from 11:30 a.m. to 12:30 p.m. Various production and sales reports are covered, as well as future planning. Periodically represen-

practices of offering their customers charge accounts and route service. Even though the firm has grown with branch outlets and package plants, routes and charge business have never lost their importance.

Almost 60 percent of the business is on a charge-account basis. Similarly, routes bring in just about 60 percent of the entire volume.

Continued on page 84

This newspaper ad covered a half page like most the company runs

Continued from page 83

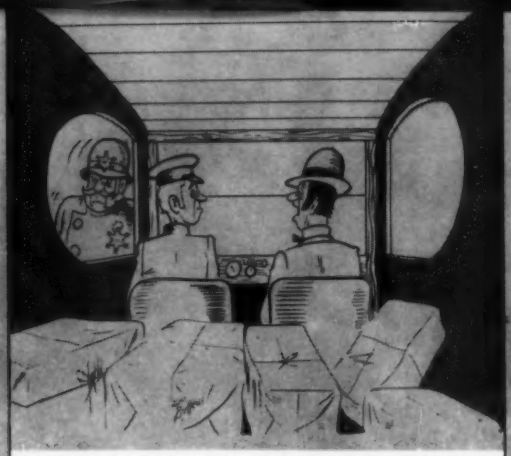
Certainly, this takes supervision, extra clerical help and equipment. But it also represents convenience to the customers. And the people who spend the greatest share with our industry want to do business this way. So Fishburn's gives the public what it wants. The company knows its business is service, and plays it any way the customers want it.

Another thing—every outlet is company-owned and managed. It has no agencies. Every store, every truck belongs to Fishburn's. The people operating them work for Fishburn's. There is no chance for lack of interest in the customers' wants and needs. Claims are adjusted fairly, since every transaction is with Fishburn's, not an outside party.

Business paper studied

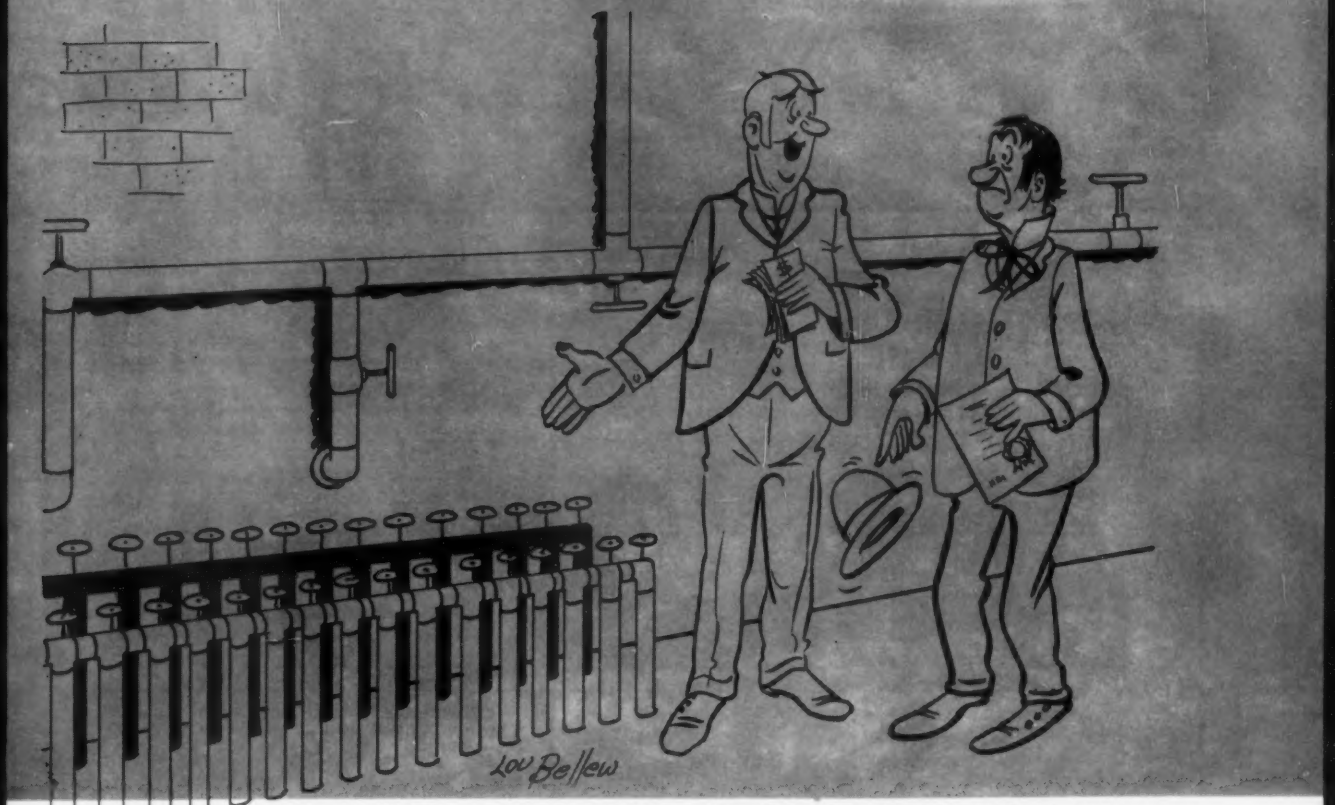
We are proud that NATIONAL CLEANER & DYER plays a part in the management of this firm. Each issue is routed through the staff people. The layout of the latest activated branch came right out of the pages of the magazine. An article explaining the job breakdown of an inspector's duties (January 1958) was turned over for study to the group heads in the inspection departments. These are just a couple of specific examples of the help Fishburn's receives from the magazine each month.

In conclusion we are also proud to bring this report and tribute to Fishburn's to you. This plant is a real credit to the industry. The principles upon which it was founded, on which it operates, are built on solid ground. When NATIONAL CLEANER & DYER publishes its one-hundredth anniversary issue, Fishburn's will still be going strong! # #



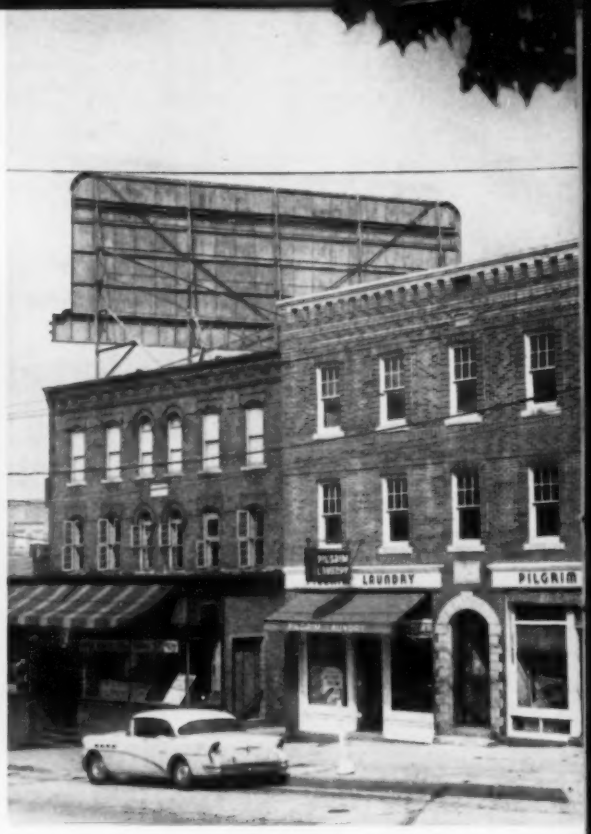
"I think you had him talked out of it . . . until you backed over his bicycle!"

"When you sold me this puff-iron set in 1924 you said just call you if ever it gave me any trouble. . . ."



"Fine, the plant is yours! Now for $100 more I'll explain what each of these valves is for."

SUCCESS FORMULA:



From this . . . **. . . to this . . .**

How Shalett's Keeps Pace

Do you use these 5 principles for success?

See how you compare with this old-line plant on:

- Quality
- Service
- Association participation
- Self-education
- Plow-back of returns

EXPERIENCE MAY BE the best teacher, but newcomers to the industry can learn a few things from Shalett Cleaners of New London, Connecticut, a second-generation plant. Here is a plant that was founded 45 years ago, yet today uses methods and thinking as new as tomorrow.

Harry M. Shalett had been in another business for a few years, and then moved from New York City to New London to start his own cleaning business. The business is still on the original location, but what changes have occurred through the years!

He took over half of the lower floor of a three-story building. Next to him was a macaroni factory. Upstairs were apartments. His equipment included a 24-inch washer, using "white gas," a hand-driven extractor, a hand iron —and little else. The year was 1914 and the war had just broken out in Europe.

The first few years were quite a struggle. Then a real "cloak and dag-

. . . and today a drive-in

With Progress

By ART SCHUELKE

ger" event took place that was the beginning of this firm's business success. Immediately before our entry into World War I, the German submarine *Deutschland* from that still friendly nation visited New London to deliver dyes and other German products.

Our government assigned a supply ship, the U.S.S. *Willard*, to act as the mother ship for the submarine. It was to take care of the sub's need for fuel, food and other supplies. While the *Willard* was in port, its commander had some refurbishing done to that vessel at the same time.

Cloak-and-dagger windfall

Shalett's Cleaners was given a drapery order that amounted to over $500, a fabulous sum even in those days for a single order. That business helped Shalett's get off the ground, and it has continued to grow and prosper ever since, as we shall presently see.

Here is an interesting sidelight on the submarine visit. Shalett's had a customer in town who acted in a very suspicious manner. Whenever Harry Shalett brought this man's cleaning to his home, the man would meet him at the door with his foot planted against it so that it was only open a crack. Mr. Shalett never was permitted inside.

A few days after the submarine arrived in port, the ship *Lusitania* was sunk and the United States declared war on Germany. The submarine fled before it could be captured. It was later learned that it stopped a few miles down the shore from New London and picked up the suspicious customer who had dealt with Shalett's from time to time.

Investigation revealed that this man had a complete wireless outfit in his home and in fact was a German spy. Perhaps this might seem to have little bearing on a drycleaning story. But it has. This incident of drapery cleaning for the American supply ship might never have taken place had it not been for that submarine which apparently called in port for more reasons than to deliver some dyes.

The order Shalett's received brought some sorely needed capital to the company and helped to launch some expansion plans. As we shall learn later, the next stanza of world conflict, World War II, had its impact on the fortunes of this plant—in quite a different way.

Quality from the first

Right from its inception, Shalett's business was built on quality. Prices in the early days started at $2.50 for men's suits. (It now gets $1.50 for suits and 25 cents for dress shirts with the same quality at lower prices, thanks to modern methods.)

With that big drapery order from the Navy, Mr. Shalett was able to carry out some much needed expansion. By offering the landlord a few dollars a month more rent, he was able to take over the space occupied by the next-door macaroni factory.

Then, within the next few years,

the firm spread out to occupy some of the upstairs apartments. It grew like the proverbial "Topsy." There wasn't much time to think about workflow and methods; the main concern was to get enough space to handle the business.

Soon the plant occupied all three floors and was the sole occupant of the building. The next move was to take on the adjacent building across a narrow alleyway. This was used to handle the laundry sideline of shirts and bachelor bundles.

All during those busy years Harry Shalett, Sr., still found time to devote to association work. He is a past president of the Connecticut Drycleaners Association. He also served as district director for the National Association of Dyers and Cleaners during the years 1948-1950.

In the middle 1930's, his son Harry "Griff" Shalett left home to go to college. Before he was able to get back, the second World War broke out and he wound up in the Marines. At war's end he left the service as a lieutenant from that branch of the service. Eleven years passed before Griff was to get back to the plant.

As soon as he was discharged, in 1946, he went to the National Institute of Drycleaning to take the general and management courses there. Upon completion of his professional education he came back to New London to take over the reins from his dad.

Senior Shalett had over 30 years of running the business. On top of that, the war years were exceptionally hard. Mr. Shalett was stricken with a very serious illness near the start of hostilities, and it took him several years to recuperate.

Profit-eating setup

Things didn't go well with absentee management. And because the business had grown too fast, the physical setup was indeed poor. Drycleaning was done in the basement. Marking and storage were handled on the first floor. Some spotting and finishing operations were also on the first floor, some on the second floor. (The third floor was used for fur storage.) Rugs were also cleaned on the first floor.

The work was going back and forth, among three levels. There were no conveyors and all hauling had to be done by extra personnel. Then there was the shuttling of laundry work across the alley. While the plant was doing a fair volume, extra handling was eating up the profits. Shalett's went through the war years with a tremendous volume, but without the profits many plants enjoyed. There was little chance for volume expansion, either, with that setup.

The situation was anything but encouraging to young Griff Shalett. After some months of struggling, he was at the crossroads. The problems seemed so insurmountable he was tempted to throw in the sponge.

Then came an event that proved to be the turning point in his thinking, and in the fortunes of the business. The Connecticut Drycleaners Association was holding its annual convention at a hotel in New London. A nationally known speaker, a representative of one of the major drycleaning supply houses, was on the program. He gave his usual inspiring talk, and that prompted Griff to put his problems before this man.

Changes work out

Not only did good ideas come out of their discussion; this allied tradesman came and spent a full week at the plant. He and Griff literally worked night and day on layout, shifting equipment, and installing slick-rails down the stairwells to eliminate some of the manual handling.

All spotting was consolidated in one place. Finishing was set up for through-the-unit production and slick-rails saved steps. All these changes had the full approval of Harry Shalett, Sr. After all, it was still his company and changes were subject to his acceptance. But he knew even better than his son that new layout and other changes were vital to the continued existence of the firm.

He was well aware of the fact that the recommendations of his son, backed by NID teachings, and of the allied tradesman friend were sound. In addition, the changes gave his son a chance to prove his mettle. As a matter of fact, they proved the catalyst that made Harry, Jr.

What happened then and in the few years to follow permitted father Shalett to enjoy life properly. He and his wife bought a home in Whittier, California. He comes back to Connecticut periodically to check on the business, to keep his hand in and to counsel his son. When the spirit moves him, he catches a morning flight out of New York City for a quick trip to the West Coast and arrives there in time for an early dinner.

But there is more to the story concerning the regeneration of Shalett's Cleaners. Son Griff attended the national convention in Chicago in 1954. There he picked up the information that good service, plus quality was a growing trend.

Since his father never stinted on equipment purchases, the plant was in good shape to turn out the work on a same-day service schedule. Shalett's uses conventional petroleum equipment and has two 36-by-54 metal washers as well as one 30-by-48 metal washer. It has two 5000 g.p.h. filters and one 3000 g.p.h.

When Griff returned from the convention he talked it over with his plant manager, Ronald A. Ham (and therein lies a tale). That very day the plant began to do same-day cleaning *on everything*, not just "specials." This service was offered at no extra charge on all work received by 10:00 a.m. As orders were received, if the time was before 10 o'clock, customers were advised they would be ready that same day. Many patrons said that if the work took several days, it was all right with them. But they were carefully taught that the work would be ready, anyhow, and at the same high quality.

Modern parking lot and drive-through include a drop-off window

It didn't take too long to educate the clientele to the advantages of this convenience. The net result is that the garments are called for faster, worn sooner and resoiled more quickly, which speeds up the volume for the plant.

If there are any doubting Thomases reading this, reflect on this fact. Business at the plant call office has increased 400 percent, mainly because of the improved service.

There is more to the story, but a few words about plant manager Ronald A. Ham. (He is aptly named since he is an amateur radio broadcasting bug on short-wave equipment.) When son Griff took over for his father and began the many plant changes, he realized he needed some help. He wrote to the late Miss Edna Michelsen at the NID for a likely prospect to fill the job. By a happy coincidence Ronald Ham was attending the NID school at that time.

Ronald was a New London boy who had worked for a few years in another

plant in that area. He realized that to get ahead in the industry he would need more technical training. His former employer wouldn't agree to send him to school, so he quit and took the course on his own.

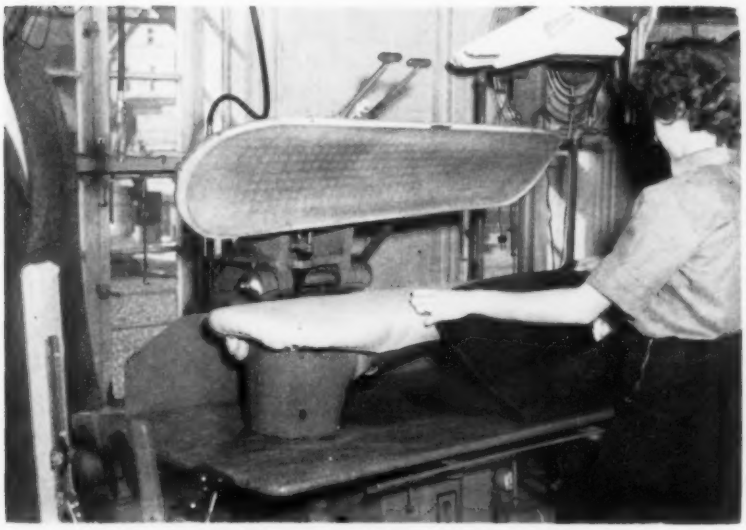
So Shalett's wound up with a bright, ambitious young fellow from their own town. With the help that Ronald gave father and son Shalett, they had more time to devote to management thinking. Many other important innovations came about. One example: the finishing equipment was switched over to air-driven presses, for better quality and greater production.

Another thing—New London is an exceedingly busy city. Aside from the natural population increase that most areas have enjoyed in the past decade, other things are happening in that city. The U. S. Coast Guard has a large installation there. The atomic submarines that our country is building are made across the river at Groton, Connecticut. There is a large submarine base there, too.

In addition, several major chemical manufacturers are located in or near New London. There are three major schools of higher education in the city. The area is practically depression-proof. Industry is highly diversified. The "readjustment" of 1958 was hardly felt in New London.

But the influx of people and business has taken its toll in more congestion of traffic, fewer places to park. And Shalett's is located practically in the heart of town, on one of the main thoroughfares leading into the city. Parking in its area is really at a premium. It took sound management thinking to lick the problem satisfactorily.

Plant uses latest packaging, up-to-date conveyors to increase customer satisfaction



Steam-air finishing, air-driven presses are standard throughout the plant

The plant is situated on a corner where there is a complicated traffic circle. Cars approach this circle from six different directions. The situation was hazardous for driving customers as well as pedestrian traffic.

Shalett's had a small amount of off-street parking behind the laundry plant that adjoined its cleaning operation. But it took a skilled and courageous driver to use the space. A narrow alley circumscribed the laundry building, with a few feet of space to negotiate 90 degree turns around the back of the building.

Harry and Griff put in a bid for some property in another part of town. The location wasn't as good as what they had, but it did offer parking facilities. To show you how property values run in the area, for this less than ideal spot they bid $80,000, which was rejected in favor of a higher bid. This proved to be a blessing in disguise, although it required some real planning and courageous

action on the part of father and son to bring it about.

The building that housed the laundry had been purchased by father Shalett in 1920 and it was several years old then. By the time 1956 rolled around, the structure needed a lot of attention. Fire exits were inadequate for the apartments on the upper floors.

Landlord Shalett would have had to replace a wooden stairway. Similarly, electric wiring and plumbing, as well as floors, walls and ceilings, were showing signs of age. There just wasn't enough income from the property to warrant such major alterations.

Careful study indicated the wisdom of razing the old building, although estimates for razing and modernization of remaining facilities came to $45,000. First, the Shaletts would eliminate the pouring of good money into an antiquated building. Second, they would rid themselves of taxes on the structure, as well as maintenance.

Then, if it were feasible, perhaps they could bring the entire operation under one roof, another saving in space and labor. Most important, the vacated area would provide an ideal parking space for their customers.

Included in the revamp job were costs for improving main-plant facilities. Unless these could be brought up to date, there was little point in adding problems to what was still a complicated arrangement.

Laundry installed

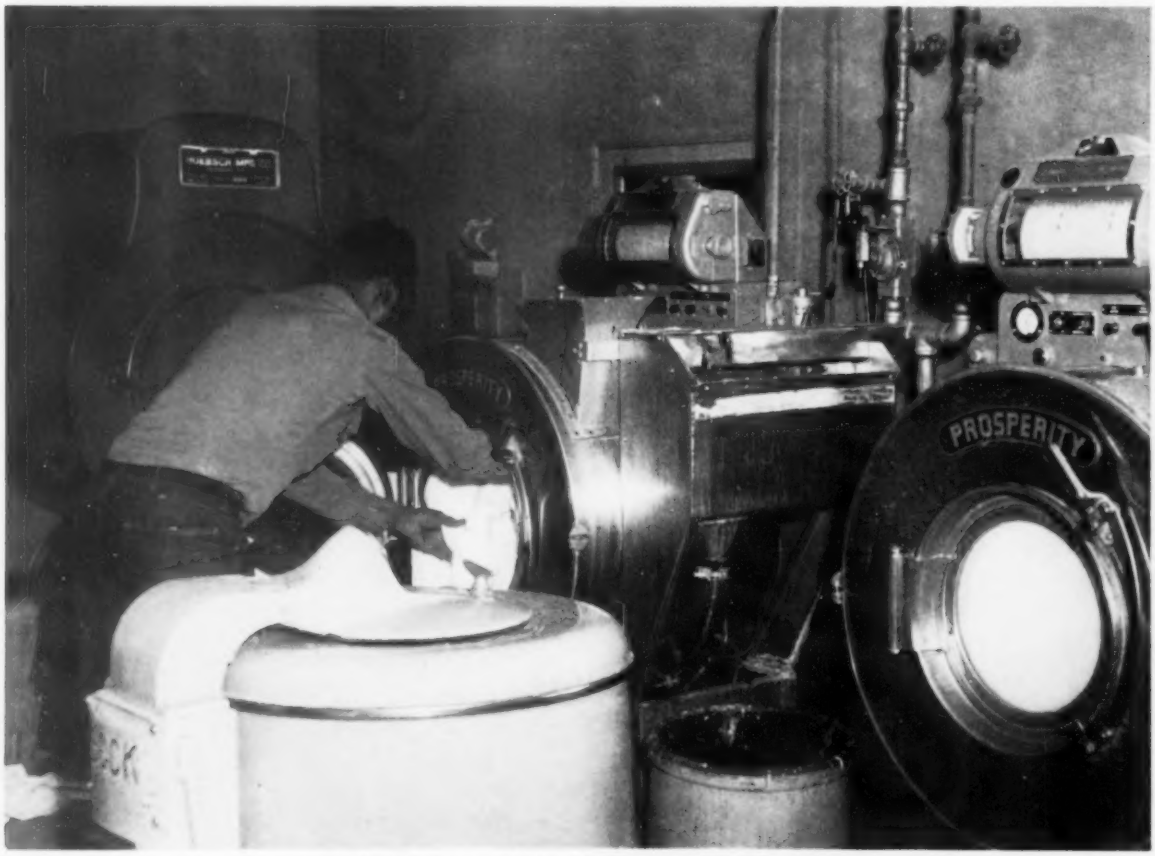
The main problem was to get the laundry into the cleaning plant building. Careful thought and a few gallons of midnight oil brought about the solution. Almost 25 percent of the first floor in the cleaning plant was taken up by the rug cleaning department. It was decided, reluctantly, to sacrifice this sideline. By so doing, they could bring in the laundry operation —that is, if really efficient shirt finishing equipment was used. So they bought and installed a cabinet sleever and bosom press, plus two late-type washers.

As stated before, the plant does what is basically a bachelor bundle. It has sock finishers, a handkerchief press and apparel equipment, in addition to the shirt unit. About the only thing it doesn't handle is sheets, which are farmed out to a commercial laundry in town. But, in any event, late-type equipment enabled Shalett's to squeeze the profitable laundry department into the main plant.

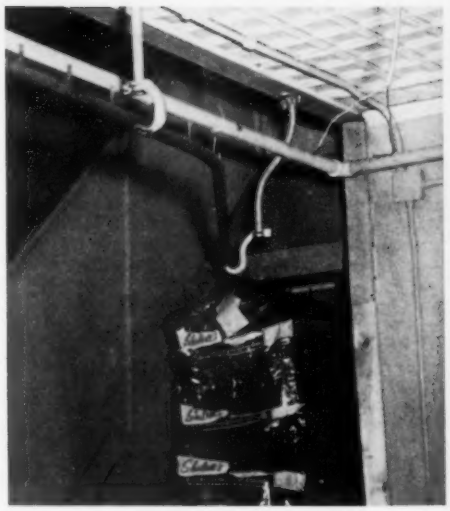
An electric conveyor was installed to bring the drycleaning work up and down from the first and second floors. And conveyors were put into the call office to speed customer service and to save space. At first two were used, but since then another has been added since they work so well.

Before the changes were made the call office was in the front of the cleaning building, but at the far side from the proposed drive-in parking area. There was a center door at the front of the building, dividing the call office and general company offices, which were closer to the driveway that was planned.

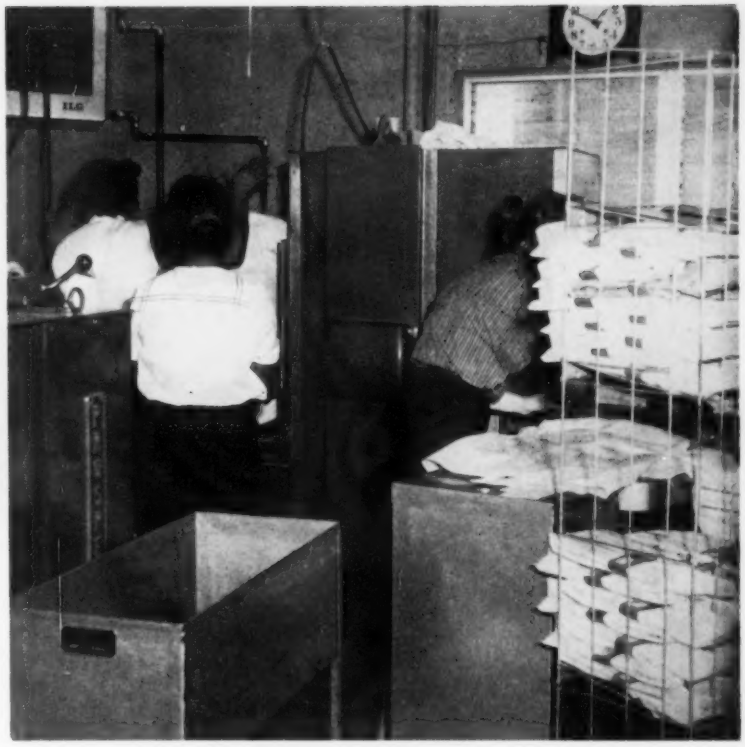
To make the idea workable, these two offices were transposed. The original front entrance was eliminated and a side entrance was made for easy and quick access to the call office from the parking area. It was hoped that a drive-in window could be installed,



Rug cleaning room was replaced by this modern laundry washroom



Conveyors cut labor costs in this multistory operation



Bulk of laundry volume comes from this shirt unit

but the plant is a few steps higher than the parking area, and it wouldn't work.

Instead, a cupola was put up. This is used by the plant during the morning hours to enable customers to drop off their work with a minimum of difficulty. To call for finished garments, customers merely park their cars and step into the office. There is also a night drop box for customer convenience. It invariably gets two or three orders an evening.

The razed building provided ample space for a turn-around drive-through, with room for more than a dozen cars. The entire area was blacktopped. There is plenty of space to load and unload the three route trucks the firm operates.

While the firm is now enjoying a whopping call-office business at the plant it was interesting to hear Griff comment, "We will always have routes." By contrast, the firm has closed down several call offices in the past few years, although it still has one or two around New London.

Staff appearance smart

The girls at the plant call office are attractively attired in white, monogrammed long-sleeved blouses and red slacks in the wintertime. During the summer months, the uniform is switched to a short-sleeved white blouse and a red skirt.

The route salesmen also wear uniforms. In their case, it's blue. The drivers' uniforms are rented locally. The girls' garments are bought outright and the cost is split between the plant and the girls. Their outfits are cleaned *every day*, free of charge. The girls have two complete costumes, and alternate between them. Their spic-and-span appearance is a real selling tool in itself. It proves that drycleaning helps one to keep well groomed, without wear to the garments.

But to get back to the plant; when the big changes were made the Shaletts went all the way. The interior was painted, new lighting was installed throughout. Modern equipment and furniture were put into the business offices. The entire plant exterior was repainted. It was once a drab brown; now it's a sparkling white.

And the customers like it. Plant volume climbs, year after year. Profits have, too.

It's hard to single out any one thing that makes Shalett Cleaners an important part of the economy of New London. (In addition to serving a community need, the firm supports some 35 employees.)

Perhaps near the top of the list of reasons is the fact that Harry, Sr., and Harry, Jr., know that quality and service are basic. Quality has been everpresent. Service and convenience have kept pace with the times, as witness the same-day service and the drive-in facilities at the plant. And route convenience has not been taken away from their trade, meanwhile.

Then there are other things that should teach newcomers to the industry some important lessons. This old-line plant has not had its head stuck in the sand. It has been willing to go along with changes and trends, as related throughout this account.

The Shaletts have been always aware of the value of association work. Harry, Sr., is the first to admit how much he gained from meeting with the other pioneers of the industry. We have already told you how Harry, Jr., grew through his NID courses; how a meeting with an allied tradesman at a state convention kept him in the industry. His contact with Miss Michelsen at the NID provided him with his present plant manager.

The modern appearance of the plant, its up-to-date methods and late-model equipment have cost money. But these things have *made* money for the firm, too. And, finally, there is still another source of help and guidance that this firm uses.

Respectfully and gratefully, we close with a direct, voluntary quote by Harry "Griff" Shalett: "I read The National Cleaner & Dyer every month. It is the sole means of communication with cleaners throughout this and other countries. Ideas are limitless. It's like visiting all over the world."# #

New Location and Equipment Rejuvenate Old Plant

Adequate parking and better service increase volume 30 percent in two months

Cramped quarters, no parking prompted move to . . .

. . . **Location across the street** with over 4,000 square feet of space and drive-in facilities

By LOU BELLEW

A BRAND-NEW PLANT and modern equipment have given new life to Paradise Cleaners, one of the oldest cleaning plants in Denver, Colorado. Not much is available on the history of Paradise Cleaners, since the original owner sold out to Jack Geller in 1944 and retired to a home in the mountains. However, it is known that the original owner, Joe Bittman, was a very progressive drycleaner and operated with great efficiency.

Jack Geller, who purchased the business in November 1944, insists it was not only well-operated but was also one of the neatest plants in Denver. The location at that time was in a building that had been used as a store outlet for the original plant. Because the store had a better location it was made into the plant about 1928, and the business was operated there until the recent move.

Problems of old plant

According to Mr. Geller, there was only one thing wrong—the building had never been built for a cleaning plant. There were too many walls as well as too many floor levels for what was in theory a one-level plant. A slight slope to the property put the boiler room, finishing department, cleaning room and office on separate levels. The cleaning room, with its petroleum solvent, of necessity was housed in a separate building to the rear of the plant, with problems in transporting work loads back and forth.

The change of ownership took place during the war years when people were willing to stand in line to bring in work, glad to get two weeks service. Paradise at the time was doing about $60,000 a year.

Equipment doesn't last forever and later on Jack invested in new equipment to the tune of $10,000 in an effort to increase production. Among the items were new washers, a large filter and new tumblers to replace an old wooden tumbler that caused periodic fires. While there were still the problems of different levels and too many walls, the cleaning department was able to shut down by 6:00 p.m. instead of working until 9:00 or 10:00 p.m.

In 1954 the small store next to the plant was taken over. This made a total of about 3,000 square feet of space, plus one more wall to fight. However, it did give enough room for a shirt department, which brought the staff up to 29 employees.

For nearly three years before Paradise put in a shirt unit, the customers' shirts had been farmed out to a local laundry and volume had never exceeded 150 shirts per week. Jack reflects now that part of the trouble might have been the shirtband which read: "We don't tear, we don't repair!" After he put in his own shirt unit, volume jumped from 150 per week to over 3,000 in less than two and a half years.

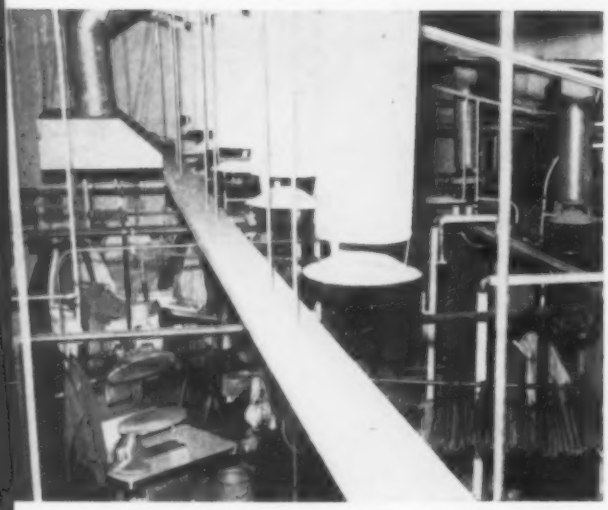
Until a year ago Mr. Geller says he was content to fight the problem of different floor levels, walls and other discomforts of a plant bursting at the seams with growing volume, but customers' complaints about parking difficulties began to grow. Too many good customers began remarking, "We like your work, and we like to trade with you, but we're changing to a cleaner who has parking facilities. . . ." He decided it was time to move.

On the opposite corner was a decrepit-looking garage building that was an eyesore to the whole community. It was 100 feet wide and 82 feet deep. But it provided the needed space for production and off-street parking and Mr. Geller decided to take it over. It was soon remodeled to become one of the prettiest buildings on the whole street. Right now Paradise Cleaners occupies the corner half of the building and an exclusive floral company is moving into the other half.

The parking problem is solved. The building sits 30 feet back from the sidewalk, which gives ample parking for drive-in customers across the entire front. Along the side of the building is an additional 25-foot strip the length of the plant for additional parking. The entire parking area is blacktopped.

Everything in the new plant, from the front to the back door, is brand-new. Presses are all the very lastest air-operated machines, set up for unit finishing. The shirt department occupies a prominent position, in the front corner of the building beside the call office, easily seen through the all-glass front and side of the plant.

The new shirt and bachelor laundry



Double row of fresh air ducts cool production air through an evaporative cooler on roof. At left is a hot air exhaust duct over steam-air finishing equipment

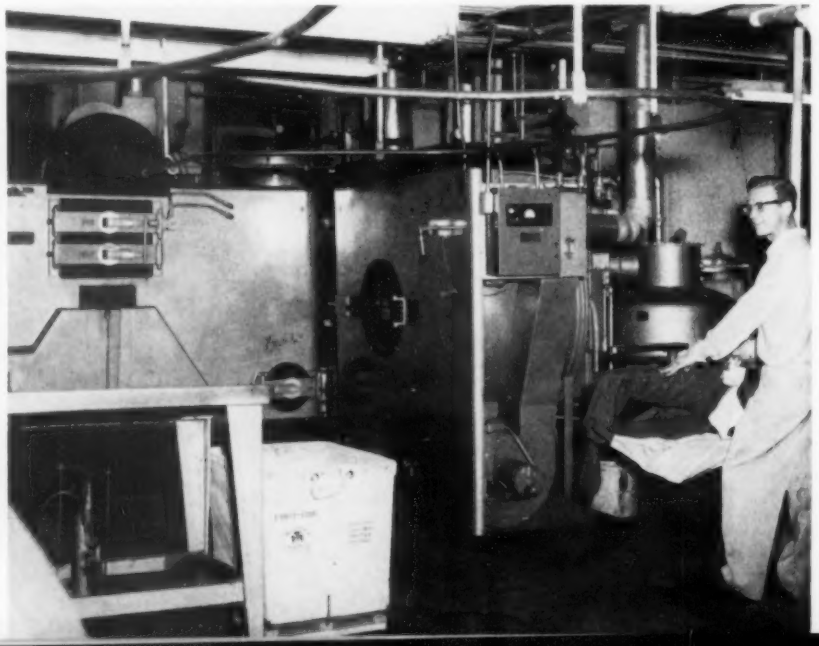
Colorful call office features pink Formica counter tops, with black and white Surfwood paneling. Walls are light green; marking hopper is painted matching pink. Floor is black and white tile

Conveyors and modern packaging help increase volume here

These are ways that sales were built . . .

Shirt unit is painted a light blue for pleasant contrast with other plant colors

New cleaning equipment has eliminated one employee in this department



Steam-air finishers and air-driven presses speed production, improve quality

department sports a new shirt unit with a cabinet body press. There are six girls in this department: two girls operate the finishing unit, one washes, one runs a utility press, one girl marks and one girl wraps. This crew turns out 3,000 shirts a week, plus considerable bachelor bundle work. Shirts are 27 cents delivered, 25 cents cash-and-carry, 30 cents on a hanger. Sport shirts go out on hangers at 35 cents.

Walls of the new plant are of cinder block painted a light green, the same color as the ceiling, cooling-system ductwork, pipes and such. There are no support posts because of the construction of the building, so the entire 50-by-82-foot plant is one big open room. Modern counters in the call office have pink Formica tops, with paneling of etched plywood in black and gray, called Surfwood. The floor is covered with large squares of black-and-white linoleum tile. Shirt bins, equipment and everything else belonging in the adjoining shirt and bachelor laundry department are painted a light blue for a striking contrast.

Convenience plus comfort

Proper temperature is maintained during hot weather by using large evaporative coolers on the roof. These cool the air coming into the plant through carefully placed air ducts, which are located along both sides of the room. Four 36-inch exhaust fans draw off warm air through a large duct running the length of the room at the ceiling.

The new plant has about 4,250 square feet of floor space, compared to 3,000 square feet in the old plant . . . and it's all on one level, with a separate outside room for the boiler and other power equipment.

As an indication of the savings that can be made with new equipment, Mr. Geller points out that he is doing 30 percent more business with 26 employees than he did with 29 in the old plant. Another saving was in solvent costs, after changing from petroleum solvent to synthetic solvent cleaning equipment with the new vapor absorption unit. (The local fire ordinance doesn't allow new plants to install petroleum solvent cleaning units.) Petroleum solvent in the old plant cleaned 10,000 pounds at a cost of $112.27. The new synthetic solvent unit is cleaning 19,697 pounds at a cost of $103.

With the automatic controls he was also able to eliminate a $75-per-week drycleaner (his work is now done by the plant foreman and a part-time helper). Better cleaning has eliminated a silk finisher and a wool finisher, which has cut productive payroll another $125 or so per week.

Normal service is three days, the same as in the old plant. Formerly one day was the fastest service, while at the new plant the fastest service is one hour. The new plant accepts specials until three o'clock in the afternoon, whereas the old plant stopped the inflow of specials at noon.

Suit prices are $1.17 cash-and-carry and $1.30 delivered. There are three outlets. Two trucks service them and also deliver work to customers who request it, although there are no routes operated as such.

Since the state laws require a $75-a-week engineer to attend any boiler, and since most engineers in the area refused to do any maintenance work at all on the job, Jack Geller became a licensed stationary engineer to eliminate this cost.

A feature of the new boiler, which is fully automatic, is a control that maintains 20 pounds of steam when outside temperature gets down to 30 degrees. This prevents freeze-ups, and there are enough exposed steam lines to keep the entire plant warm at all times.

In addition a new timeclock with bells to indicate starting, rest periods, quitting time, and when to go back to work, has proved invaluable. Instead of quitting five minutes before rest periods and taking an extra five minutes to get back to work, everything is operating like clockwork. Water coolers are located now on each side of the room so employees won't have to walk the length of the room for a drink of water. In addition, hot chocolate, coffee and four different hot soups are now available from an automatic canteen at a cost of about $25 per month, to permit the employees to eat their noon lunch on the premises.

The new plant was launched with a two-week open house held October 27 through November 8 during regular business hours. During that period over 3,000 persons registered for prizes ranging from one year to three months free drycleaning. New customers received gifts when they picked up orders of drycleaning or shirts.

Improvements pay off

In the first two months of operation in the new quarters the results were better than anticipated. Operating costs are appreciably reduced, thanks to the new equipment and to better employee morale. This is due to more pleasant working conditions, which are permitting three fewer workers to handle a 30 percent increase in volume. This increase in volume is mainly due to the improved parking facilities, of course, but the better quality work and the improved service have contributed to keeping both the old and the new customers of Paradise Cleaners.

Jack Geller, because of the press of business, admits he is unable to attend as many state and national drycleaners' conventions as he used to in search of new ideas. However, he is always able to keep abreast of the times through regular reading of NATIONAL CLEANER & DYER. A long-time reader, he feels it keeps him well posted on the latest trends in the cleaning business, and points out many suggestions that he is able to use very profitably in the operation of his own plant. # #

DATA FOR DRYCLEANERS

THE CLEANING ROOM

Drycleaning Solvents

TWO TYPES of solvents are used in drycleaning: synthetic and petroleum. In the synthetic category, three different synthetic solvents have been used in this country: perchlorethylene, carbon tetrachloride and trichlorethylene.

Perchlorethylene, because it is less toxic and corrosive, has almost completely replaced carbon tetrachloride as a drycleaning solvent. It is by far the predominant synthetic solvent in use in this country today. So far as we know, no drycleaning machines for synthetic solvents other than perchlorethylene are now being built. Practically no trichlorethylene is being used for drycleaning because of its tendency to bleed fugitive acetate dyes at temperatures above 80° F.

In the petroleum category, Stoddard solvent and 140° F solvent are the two in common use.

Advantages of synthetic solvent cleaning:

1. Nonflammable — this means lower insurance rates, fewer zoning restrictions, simplified housing.
2. Short cleaning cycle, making it especially attractive for fast-service operation.
3. Easier to install—less labor required, less floor space.
4. Less heat required for drying, more solvent saved.
5. Greater solvent action on greases, oils, etc.

Advantages of petroleum solvent cleaning:

1. Fumes are not as toxic as those of synthetic.
2. Loads are not limited to the smaller capacities of synthetic machines.
3. Solvent is more stable, less corrosive than synthetic solvent.
4. Solvent cost per pound cleaned is lower than with synthetic solvent.

Industry trends as reported by the recent report of the U. S. Census of Business for 1954 are as follows:

	Number	Volume ($1,000)	Volume per plant
Drycleaning plants	27,432	$1,085,105	$39,600
With payroll	25,357	1,070,893	$42,000
Without payroll	2,066	15,212	$ 7,300

The census reported 9,849 synthetic solvent washers and 22,663 petroleum solvent washers. *Actually* there were more units of each type in use that year, but only 22,668 of the 27,432 reported their type of equipment. In 1948 three out of four plants were petroleum; in 1954 it was two out of three.

In 1948 one plant out of five was synthetic; in 1954 it was one out of three. Power laundries reported an additional 1,203 synthetic and 2,991 petroleum washers.

Solvent consumption during 1958 has been estimated as follows:

Stoddard	145 million gallons	(6.58 lb. per gal.)
140° F	5.2 million gallons	(6.65 lb. per gal.)
Perchlorethylene	144 million pounds	(13.47 lb. per gal.)

Petroleum Solvents

STANDARDS for petroleum distillates used in drycleaning cover physical and chemical properties, methods of testing, certification of quality.

Standards for Stoddard solvent:

(Commercial Standard CS 3-40)

1. *Material:* Stoddard solvent shall be a petroleum distillate.
2. *Appearance:* It shall be clear and free from suspended matter and undissolved water.
3. *Color:* It shall be water-white or not darker than 21 by Saybolt chronometer.
4. *Odor:* Solvent shall be free from rancid and objectionable odors.
5. *Corrosive Properties:* Copper shall show not more than extremely slight discoloration when submerged in solvent for three hours at 122° F.
6. *Doctor Test:* Solvent should react negatively.
7. *Sulfuric Acid Absorption Test:* Not more than 5 percent of the solvent should be absorbed by CP sulfuric acid (93.2 percent).
8. *Flash Point:* Shall not be lower than 100° F.
9. *Distillation Range:* When a sample is distilled according to specifications, not less than 50 percent should be recovered when the thermometer reads 350° F and not less than 90 percent when the thermometer reads 375° F, and the end point shall not be higher than 410° F.
10. *Residue:* When a sample is distilled the residue shall not be more than 1.5 percent.
11. *Acidity:* Residue from distillation shall not show an acid reaction.

A petroleum solvent meeting the above specifications is classified by Underwriters' Laboratories, Inc., in a class with kerosene in respect to fire hazard.

Standards for 140° F solvent:

The 140° F solvent has been developed in an effort to produce a workable solvent that would have a flash point

Physical Properties of Synthetic Solvents

	Carbon Tetrachloride	Trichlorethylene	Perchlorethylene
Chemical formula	CCl_4	C_2HCl_3	C_2Cl_4
Boiling point, ° F	169.7	188.4	250.2
Latent heat of vaporization at boiling point, B.t.u./lb.	84.2	103.0	90.0
Specific heat, liquid	0.205	0.225	0.205
Viscosity, liquid (68° F) cp.	0.969	0.58	0.88
Surface tension (in air) dynes/cm.	25.4 (in nitrogen) at 77° F	approx. 29 at 86° F	32.32 at 68° F
Specific gravity (20°/4° C)	1.594	1.464	1.623
Pounds per gallon (68° F)	13.3	12.3 (59° F)	13.55
Vapor pressure, mm. Hg. (68° F)	91	58.5	14.2
Evaporation rate (ether = 100)	33	28	9
Flammability, Underwriters' Laboratories rating	0	3	0

higher than that set for Stoddard solvent and would show a high degree of safety in regard to fire hazard.

The main specification required by the Underwriters' Laboratories for 140° F solvent is that the flash point be a minimum of 138.2° F. According to the Underwriters' listings this type of solvent is placed in a class between paraffin oil and kerosene.

The Stoddard solvent specifications are concerned only with the solvent and do not require any designated type of equipment.

In the use of 140° F solvent, specifications have also been set up in respect to the type of equipment in which it should be used for maximum safety. In some cases the equipment approved has been tumblers and drying cabinets. Some complete drying units have been approved for the use of 140° F solvent.

Approved drycleaning systems together with particular listed drying cabinets or tumblers are suitable only for use with listed cleaning liquids classified with respect to fire hazard and complying with the following specifications:

1. *Flash Point* (closed cup): Not lower than 138.2° F.
2. *Initial Boiling Point:* Not lower than 357.8° F.
3. *Ignition Temperature:* Not lower than 453.3° F.
4. *Lower Limit of Explosion Range:* Not less than .8 percent by volume in air at initial temperature of 302° F.
5. *Spontaneous Heating:* The cleaning material shall not heat spontaneously.

The color, odor, corrosion and Doctor tests are the same as for Stoddard solvent.

Along with the use of approved systems, the installation should be set up in accordance with the standards of the National Board of Fire Underwriters for safeguarding drycleaning and dyeing plants. Authorized inspectors should be consulted before installation.

The use of either of these solvents is regulated by the state fire marshal's office and the regulations vary considerably from one state to another.

Source—Anderson-Prichard Oil Corporation

Perc-Saving Pointers

1. Empty lint bags or screens frequently. When running soft wools you should check the bag several times daily.
2. Make sure that the vent on the reclaimer closes properly. If the vent valve does not seat properly, vapors escape.
3. Keep the heating unit and condenser of the reclaimer clean. Otherwise the efficiency of these important parts will be greatly reduced.
4. Clean lines leading to and from the water separator frequently. The vent line on the separator should be kept open at all times.
5. Make sure that the tumbler door seats properly against the gasket. Many doors have adjustments which permit you to vary the tension on the door seal. If you can pull a strip of paper across the seal when the door is closed, you are losing vapor.
6. Check pipe connections in flow lines. Charged solvent easily penetrates loose joints.
7. Do not leave unit doors open at night. Close them tightly after units have had time to cool.
8. Water temperature in both distillation and tumbling is exceedingly important. If the water is too hot or too cold it can impair solvent recovery and also waste water. There are thermostatic valves available today that are inexpensive, easy to install.

Source—National Institute of Drycleaning

Synthetic Solvent Cost Pointers

Hold-up of solvent in garments after extraction: Varies with efficiency of extractor, which is based on the diameter of the extractor basket and speed of extractor. This factor is built into machine and cannot be varied.

Length of extraction time: Can be varied.

Example: Variation in amount of solvent left in clothes after extraction. Garments extracted were wool, extraction time seven minutes in all cases:

Machine No.	Diameter of basket	Extraction speed	Solvent hold-up %
1	27"	900	12.5
2	30"	860	12.5
3	34"	810	13.5
4	30"	750	14.5
5	32"	640	16.0
6	24"	550	22.0

Recovery in separate recovery-drier of solvent left in garments after extraction will reclaim 90 percent of hold-up solvent. Cleaning cost may be reduced to 1-1½ cents a pound with perchlorethylene, which is the most completely recoverable solvent.

Loss in filter sludge: Much of this solvent loss may be recovered by steam, stripping the sludge when perchlorethylene is used. Still residues may be stripped for a further saving.

There are several filter muck cookers on the market that help get extra mileage out of perk. Heat drives from the powder the vapors, which are then reclaimed.

Another boon to synthetic cleaning plants is the new device to capture perc fumes from the air inside the plant. Cleaners who keep their equipment in good repair, use muck cookers and the reclaimer just mentioned, report that they can clean in excess of 20,000 pounds of garments from a 55-gallon drum of perc.

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Kilowatt Hours To Run Extractors

Time In Minutes	Extractor Diameters 20"	24"	26"	28"	30"	40"	48"
1	.042	.050	.071	.083	.095	....	....
2	.048	.069	.082	.095	.108	....	....
3	.055	.079	.092	.107	.122	....	....
4	.062	.088	.103	.119	.135	.46	.65
5	.069	.097	.114	.131	.149	.50	.70
6	.075	.106	.125	.143	.162	.54	.75
7	.082	.116	.135	.155	.175	.58	.80
8	.089	.125	.146	.167	.189	.62	.85
9	.095	.134	.157	.179	.202	.66	.90
10	.102	.144	.167	.192	.216	.70	.95
11	.109	.153	.178	.204	.229	.74	1.00
12	.115	.162	.189	.216	.242	.78	1.05
13	.122	.171	.199	.228	.256	.82	1.10
14	.129	.181	.210	.240	.269	.86	1.15
15	.135	.190	.221	.252	.283	.90	1.20
16	.142	.199	.232	.264	.296	.94	1.25
17	.149	.209	.242	.276	.309	.98	1.30
18	.155	.218	.253	.289	.323	1.02	1.35
19	.162	.227	.264	.300	.336	1.06	1.40
20	.169	.237	.275	.312	.350	1.10	1.45

Source—American Institute of Laundering

Table gives kilowatt hours required to run extractors of various sizes a given time in minutes. Example: A 48-inch extractor draws 1.45 kilowatt hours for a 20-minute extraction period; at 2 cents per kilowatt hour, power cost is 2.9 cents for the load

Capacities of Drycleaning Tumblers

Size-Cylinder Dia. x Length In Inches	Cylinder Speed r.p.m.	Horsepower Cyl.	Fan	Capacity Lb.-Dry Weight
36 x 18	39	¼	¼	25
36 x 24	39	¼	¼	30
36 x 30	39	⅓	¼	40
36 x 30	39	½	¾	40
36 x 42	39	½	1	50
36 x 48	39	¾	1	60
42 x 40	30	1	2	70
42 x 60	30	1½	3	100
42 x 90	30	2	5	150
42 x 120	30	3	7½	200
46 x 120	27	3	7½	250

Overloaded tumblers slow down your drying cycle. Excessive mechanical action induced by long running times wears out fabrics. An additional fire hazard is created by overloads. Even 5 extra pounds in a typical 36-by-30 tumbler create an overload of 12 percent

Solvent Tests

Test for water in solvent:

Make sure test tube is clean and dry, then half fill with solvent to be tested. Add pinch of anhydrous copper sulfate. Shake test tube well, then allow to settle for a few minutes. Water is present in solvent if sediment has bluish tinge.

Test for soluble true soap in solvent:

The same test will indicate presence of soluble soap in sufficient quantity to cause building up of suds in washer, formation of jell in still or scum on filter. Soluble soap present in solvent when it is shaken with copper sulfate produces flocculent precipitate (a spongy, flaky bottom layer).

Test for free fatty acid:

For accurate results, flask and 55 cc. graduate used for this test must be perfectly dry as well as clean. Either rinse with alcohol or acetone, requiring no drying, or, if washed with water, dry with cloth.

Pour 50 cc. of solvent to be tested into Erlenmeyer flask. Add 3 or 4 drops of phenolphthalein solution. Shake well. Next, using 100 cc. pipette, add 5 cc. of 0.0139 normal alcoholic potassium hydroxide (using synthetic methanol). While adding this solution, shake flask with swirling motion.

If pink color appears while the first 5 cc. is being added, amount of fatty acid in solvent is negligible. Each 5 cc. of testing solution that must be added to obtain pink reaction to phenolphthalein represents acid number of 0.1. If addition of second 5 cc. produces pink color, solvent is satisfactory to use. However, if it is necessary to add a third 5 cc. before obtaining pink reaction, the solvent should be treated before further use. Up to this point, the use of one of the adsorbents will usually keep it in usable condition.

If more than 15 cc. of testing solution, indicating an acid number of 0.3, is required to produce pink color, solvent must be clarified. The acid number 0.3 has been established as point at which solvent should be clarified because odor has been traced to solvent with a slightly higher acid number.

The drycleaner should make this test every day. The potassium hydroxide should be fresh.

Test for solvent retention:

Petroleum plants using charged systems should be particularly concerned with solvent retention—that amount left in garments after extraction. Squeezing the last drop may induce other costs to rise. Finishing of excessively wrinkled garments far exceeds the solvent savings. Too little extraction, on the other hand, can add many dollars to supply costs.

Generally, the only difference between laundry and drycleaning extractors is the explosion-proof motor. Speeds and load capacities have not been altered to conform to the completely different conditions that exist. Problems of finishing laundered garments are not the same as for drycleaned fabrics that have special sizings, drape and other factors to concern us. All this can be affected by the moisture introduced through the charged system.

Drycleaning extractors should be set at a speed and running time that leave about 12 to 18 percent of solvent by weight in the garments to be deodorized. This will allow garments to deodorize in normal drying cycles, keep solvent costs in line and provide for easy finishing.

Here is how to check your solvent retention:

1. Select a test load and predry.
2. Weigh before cleaning.
3. Clean, drain and extract.
4. Weigh load.
5. Deodorize and reweigh.

The load is predried and weighed to determine the actual weight of the garments without moisture. The only variable remaining is the weight of the soil present, which is negligible.

After draining and extraction, the load is weighed. The increased weight is due to the solvent and the moisture added during cleaning. If you add the water by hand it is a simple matter to determine the liquid weight of the moisture. This weight is deducted in your calculations, since it has no bearing on costs. The final weighing after deodorizing is the check on your original load weight. For example:

Weight after predrying—50 lb.
Weight after extraction—58½ lb.
Amount water added to load—32 oz. (2 lb.)

Calculation —	58.5 lb.
less	2.0
	56.5
Predried weight	50.0
	6.5 lb. = weight of solvent

(Solvent weight) 6.5 ÷ 50 (dryweight) = .13 or 13% solvent retention

If you have no way of accurately calculating the water addition, estimate approximately ½ ounce of moisture per pound of clothes cleaned.

Watch for these: Excessive extractor speeds or extraction time can cost money in extra finishing costs. So long as solvent retention falls between 12 and 18 percent, supply costs are in line. Overloading of extractors should be avoided. Garments should be packed, but loosely—not jammed. An inexpensive timer is a worth-while investment.

Solvent Filtration

REMOVAL of insoluble impurities from drycleaning solvent in the filter is nothing more than a simple "screening" action. If all the dirt coming from the garments were in large, hard particles, the regular filter screens and bags would do the job without the need of filter powder. But dirt, sand, lint, and slimy and gummy substances make the picture totally different.

The screens and bags in your filter are extremely fine, around 200 mesh, which means there are approximately 40,000 holes to a square inch. If you use no filter powder, these holes are plugged in no time by the slimy and gummy substances. Then your filter pressure goes sky-high and you get no more than a trickle of solvent through the filter.

When you add a good filter powder (diatomaceous silica) to the solvent, the extremely fine diatom particles mix in the washer with the impurities and are carried to the filtering surface. These particles of powder collect on the filter screens or bags and break up the gummy coating of slimes and residues. They form pores or holes so fine they can only be seen under a microscope, but through which the clean solvent can flow freely.

When the manufacturer made your filter to put out, for example, 3,000 gallons per hour, he did not guess at the amount of filtering area. It was figured out by engineers as approximately 33 square feet for each 1,000 gallons of filter capacity. Therefore, your 3,000-gallon filter would have about 100 square feet of screen area.

Suppose, for various reasons, your screens and bags have become so clogged with insoluble residues and slimy substances (through which the solvent will not pass) that only 50 percent of your filtering area is open to flow. In effect, you now have a 1,500-gallon filter instead of a 3,000-gallon filter, yet your pump is still trying to force through its full capacity of 3,000 gallons, thus developing excess pressure.

To know whether your screens in your vertical screen filter are clogged or not here is the procedure:

When you have completed a day's run, or when you consider the pressure excessive, shut off your pump and open the drain valve on your filter, allowing the solvent to drain off to a point just below the filter cover. Remove the cover and swing it aside so that you can see down between the filter screens. Now drain the solvent from the filter, slowly enough so that you do not disturb the filter cake. When the solvent level is below the tops of the screens, take a flashlight and inspect the condition of the cake on each filter screen.

You will note that some areas have no filter powder on them; some of the areas will be coated anywhere from ½ to 1 inch thick, and the rest of the screens will be splotched here and there with only a thin cake. Where there is no filter cake, there has been no solvent passing through; all the solvent went through those areas on which the powder is deposited in a reasonably thick cake. In the case of a horizontal type filter, where the filter powder lies on a flat plane, this "spotty" cake is not found, due to the fact that its construction causes even distribution of the filter powder.

If the screens had been properly cleaned *and kept clean by proper precoating*, the filter cake would be uniformly distributed and of even thickness and color texture.

Cleaning filter screens

The proper way to clean your filter screens is to use 1 or 2 pounds of caustic soda to each 5 gallons of water in a tank or tub large enough to immerse the screens. Bring this tank or solution to a boil and then immerse the screens for at least 30 minutes. For bad cases of clogging, some plants soak the screens in the cold solution overnight and bring to a boil the next morning.

Next, rinse each screen thoroughly in another tub of boiling water, then steam thoroughly from top to bottom with wet steam. The trick to the above operation is to take the screens out of the boiling hot caustic solution one at a time, to the boiling hot rinse water, then to the steam hose. Above all, do not permit the screen to dry from the time it is taken from the caustic solution until it has been thoroughly steamed, working from top to bottom. If you do, the emulsified slimes and greases will precipitate and harden and be almost impossible to remove.

Wipe the screen very carefully. Be sure in wiping and blowing with steam that you do not break the soldering on edges; this will cause screens to develop leaks.

Now how can you keep your screens from getting gummed up again? With a properly applied precoat.

Precoat and operation

First, fill the washer to the proper level and the filter full of *clean* solvent. In filling the filter, keep the air valve open until solvent starts to run out, signifying that it is full. Now, close the air valve and add to the *clean* solvent in the washer

Minimum Filter Powder Usage

Stoddard and Large Synthetic Solvent Filters		Small Synthetic Solvent Filters
	For Precoating	
Filter Capacity	Amount of Powder	
1000 gal. per hr.	2 pounds	Use 1 ounce for each square foot of filtering cloth or screen.
2000 gal. per hr.	4 pounds	
3000 gal. per hr.	6 pounds	
5000 gal. per hr.	8 pounds	
8000 gal. per hr.	14 pounds	
	For Addition With Garments or to Powder Trap	
No soap used—add 1 lb. powder to 100 lb. of fabrics. Soap used—To break run*—1 lb. powder per 100 lb. of fabrics. To filter rinse—1 lb. powder per 100 lb. of fabrics. * If no break run is carried out, double quantity of filter powder is used for filter rinse.		Use ½ lb. for each 50 lb. garments cleaned. Examples: If 50 lb. garments make four loads, add 2 oz. with each load. A less effective method is to add ½ lb. every four loads. Add powder with garments when possible—otherwise at trap.

Source—Johns-Manville Sales Corporation

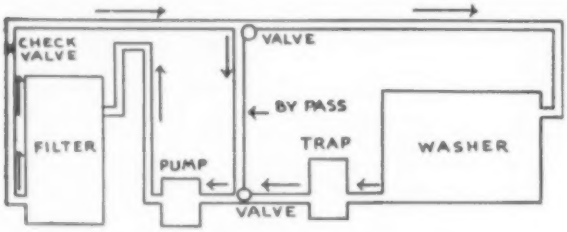
one pound of filter powder *for each 10 square feet of screen area*. Start the washer and mix the powder thoroughly with the solvent. Then you can start the pump. Allow the solvent to circulate through the filter and washer until it shows clear in both sight glasses.

You are then ready to start your daily operation.

The most important thing to remember during the day's cleaning is that filter powder should be used on *every* washer load. The next most important point is to use the right amount of filter powder—not too much, not too little. If one load is run without filter powder, the surface of your filter cake will start to slime over and become partially plugged, with more than normal pressure rise. This condition becomes worse for each succeeding load run without filter powder.

In a test run by a solvent manufacturer, it was found that using only ¼ pound of filter powder on *every* load cleaned more garments per pound of pressure rise, yet used 27 percent less filter powder per 1,000 pounds of garments cleaned than when three times this amount (¾ pound) was added in *every other load*.

Another extremely important point is that, on the vertical type filter, there is nothing to hold the precoat or cake on the screens. There should be a by-pass valve to allow the solvent to keep circulating and hold pressure against the cake when no washers are running on the filter. If the pump is stopped when you are not filtering there is no pressure, and parts of the precoat and filter cake will fall off and leave the screen bare. When you start to filter again, these bare spots quickly plug up and the pressure rises faster than normal.



Use of by-pass maintains filter cake by continuing pressure with the pump while the washer is idle or on soap run. Also, extension of filter inlet and outlet above solvent level in filter maintains solvent level above filter cake. Check valve prevents solvent on outlet side from dropping back and pushing the cake off from inside the screens

The same result occurs when the filter is started the first thing in the morning—after the pump has been off all night—without applying a precoat. If only one load is run through a precoat before shutting down for the night, a new precoat must be put on before starting to filter the next morning. Again, this does not apply to horizontal filters.

Three cardinal rules to remember in securing more and better cleaning with economy of filter powder are:

1. Start with and keep screens thoroughly clean with all mesh openings clear for solvent flow.
2. Determine the proper amount of filter powder to use per load of garments, according to the size of the load and the condition of the garments (1 to 2 pounds for every 100 pounds of garments). Use the correct amount in *every* washer load.
3. Keep pressure against the filter cake at all times when operating a vertical type filter, either circulating through the washers or a by-pass valve. Always precoat again after the pump has been stopped even for a short time.

A new filter design recently put on the market does not require the conventional precoat procedure. Filter powder is added only once at the beginning of the day. The filter is automatically backwashed and recoated after each load.

Source—Dicalite Division, Great Lakes Carbon Corporation

Pumps for Filter Circulation

Filter Gallons Per Hour	Size of Suction and Discharge Pipes	r.p.m. Pump Pulley	Diameter Pump Pulley	Gallons Revolution
400	1"	450	4¾"	0.015
600	1"	650	4¾"	0.015
1000	1¼"	375	7"	0.044
1200	1½"	230	10"	0.087
2000	2"	265	10"	0.125
3200	2"	235	12"	0.235
5000	2"	350	12"	0.34
8000	3"	250	24"	0.53

Source—Viking Pump Co.

Chart above shows pump size recommended for each size of filter and speed at which each should operate to produce intended flow rate when diatomaceous filter aids and "sweeteners" are being used

Use of Activated Carbon

The popularity of the charged system has increased the need for careful control of solvent contamination. Activated carbon offers one of the best means of preventing the build-up of solvent contaminants, especially water-soluble dyes which become dissolved in the solvent.

To avoid "dusting" while handling carbon in the cleaning room, avoid dumping it too fast or from too great a height. Don't let the powder drop more than 2 or 3 inches. A good practice is to empty a number of cartons or bags of carbon into a metal ash can with a lid. In transferring the powder from the metal container to the washer you can use a one-pound coffee tin or one-quart saucepan, either of which holds one pound of carbon.

The "after precoat" method of using carbon is recommended as a daily procedure. After the filter is precoated with the proper amount of diatomaceous filter aid, the after precoat of carbon is applied. Carbon, mixed with filter aid, is added directly to the wheel. Run the washer for a few minutes to wet and disperse the carbon thoroughly. Then recirculate the solvent through the filter until the sight glass is clear. Under normal operating conditions no more carbon will be needed during the day.

The table shows how much filter aid and carbon to use.

For Petroleum Systems

Filter Size	Step 1: Precoat with filter aid	Step 2: "After precoat" consists of carbon and filter aid
1300 gal/hr.	3 lb.	3 lb. plus 1 lb.
2000 gal/hr.	5 lb.	4 lb. plus 1½ lb.
3200 gal/hr.	7 lb.	6 lb. plus 2 lb.
5000 gal/hr.	10 lb.	10 lb. plus 3 lb.
8000 gal/hr.	16 lb.	12½ lb. plus 4 lb.
10000 gal/hr.	20 lb.	16 lb. plus 5 lb.

For Synthetic Systems

For the average-size synthetic unit, Step 1 requires 3 pounds of filter aid as a precoat. Step 2 requires a mixture of 3 pounds of carbon and 1 pound of filter aid.

A heaping quart measure holds: ½ lb. of filter aid
1 lb. of carbon

These dosages are not rigid. The cleaner will have to

make adjustments suited to his own method of cleaning, schedule of loads, frequency of distillation, etc.

When it is necessary to add carbon during the day to handle emergencies, such as a sudden increase in color due to a bleeding dye condition, it is recommended that it be added in slurry form.

If, for example, 2 pounds of carbon are required, spill the carbon gently into a pail containing 2 gallons of solvent. Stir quietly until the carbon is wetted and uniformly dispersed. Pour the slurry into the button trap while solvent is being pumped through the filter. Do not have any garments in the washer. As soon as the sight glass shows clear you can resume cleaning. Slurry may also be added on the suction side of the pump by providing a tee-connection and a valve.

If carbon is to be used to clean up an accumulation of dirty solvent, add the carbon in dry or slurry form directly to the washer on the basis of about 3 pounds of carbon for each 100 gallons of solvent. Run the washer for 20-30 minutes with no filter circulation. Then circulate the solvent for another 20-30 minutes through the filter. If this dosage is not sufficient, repeat the procedure.

Source—Darco Department, Atlas Powder Company

Use and Characteristics of Sweeteners

There are certain adsorptive filter aids that have characteristics that must not be confused with those of standard filter powders. The adsorptive filter powders have been treated with magnesium or aluminum silicates, or similar compounds, to give them an ability to strain out soluble impurities that otherwise are able to pass through the filter cake. Some of these adsorptive filter powders have been effective in prolonging the interval between distillation periods.

Since the rate at which the magnesium silicate is used up depends not only on the type and amount of soil in the garments but also on the amount of fatty acid released from the soap used, it is difficult to prescribe exact formulas. Also, it may be necessary to add soap to the charge for any loss in strength caused by the sweetening agent.

The rule of thumb for one such powder is a precoat of 3 pounds per 1,000-gallons-per-hour filter capacity, plus 1½ pounds to each 100-pound load of lightly soiled garments. Care should be taken to add the adsorptive filter powder through the trap or at the outlet of the washer, as it has a tendency to cling to fabrics.

THE SPOTTING DEPARTMENT

Common Spots

Albumin (milk, fish slime, egg, etc.): In some instances egg should first be scraped or brushed from the fabric as much as possible while it is dry. These stains should be digested first (before drycleaning, if possible). In digesting remember: Keep it wet, keep it warm, give it time, and keep it neutral as to acids or alkalies.

After digestion spot with a neutral lubricant followed by ammonia, if the dyestuff will withstand it. Then dry the garment, prespot with a wet-and-dry-side paint remover and dryclean.

Today's fabrics are often treated with permanent resins, including urea formaldehyde and melamine formaldehyde resins. The protein of albuminous stains will often combine with the formaldehyde of the resins and form a very permanent stain. Therefore on resin-treated fabrics all efforts frequently result in failure. This is a recent development that has been confounding spotters who previously had been able to remove such stains.

Argyrol: It is advisable to digest argyrol stains first. Then apply water or the steam gun to flush color as the stain is dissolved, thus preventing it from spreading to wider areas. Cover the stain with iodide crystals, allowing the crystals to dissolve in the water already applied to the fabric. Or, tincture of iodine can be used. Let the iodide solution soak for a few seconds. Work with spatula and flush out. Dab the stain with hypo crystals (enclosed in a cheesecloth bag) which first have been immersed in a 10 percent ammonia solution. Flush out thoroughly with water.

Sometimes the argyrol is in an albuminous solution. In this case, digest to release some of the stain, then follow the above procedure.

Berry: Wet the stain with the steam gun and flush out thoroughly by repeated applications of a neutral lubricant. Then apply a general formula, 28 percent acetic acid or 10 percent formic acid. Flush the stain again. Apply ammonia. This type of stain will generally alternate from pink to blue with acids and alkalies. When this occurs, sometimes sodium bisulfite applied with a bone spatula will overcome the indicator dyestuff.

If a stronger bleach, such as sodium hydrosulfite, titanium sulfate, chlorine, etc., can be used, that might be advisable. This will depend upon the fiber and the fastness of the dye.

Blood: Whenever possible dry-brush blood stains from the fabric and spot before drycleaning. In many cases spotting with a neutral lubricant will make it possible to flush the greater portion of the blood from the fabric. In extreme accident cases it is very often advisable to soak out the garment in cold water to rinse the heavy portions from the fabric.

If the above procedures have been used without complete success, it will be necessary to resort to digestion. If the garment is generally covered soak in a digester bath. If only spots remain, digestion on the board might be possible. The area can sometimes be kept warm and wet by soaking the stains between wet, hot towels.

Last traces of stains can sometimes be removed by the use of hydrogen peroxide or sodium perborate.

Should the stain still remain, prespot the area with a wet-dry-side paint remover and dryclean the garment.

Candy: This type of stain is usually very easy to remove. Once the stain is broken up by tamping with a brush or using the bone spatula it can readily be flushed from the fabric with water and a neutral lubricant. Sometimes a vegetable dye may remain which can often be removed by applying ammonia and flushing with a steam gun. Should traces of dye still remain it will be necessary to use an appropriate bleach.

Carbon (soot, gutter splash, etc.): This type of stain has usually contacted the fabric in a wet state. Therefore, because these stains are somewhat soluble on both wet and dry sides, it will be found that a prespotting emulsion that contains both water and dry-side solutions is most effective. Then dryclean the garment.

After drycleaning, it is preferable to treat the stain on the wet side. Wet out with the steam gun and apply a neutral lubricant or a thick wetcleaning soap. Work the stain with a

spotting brush or spatula and flush out. Repeat until all of the carbon has disappeared, then flush out with the steam gun and dry.

Occasionally a stain will remain, particularly when carbon paper was the cause. This is a dye rather than carbon and should be treated with general formula after all the carbon has been flushed out.

Bleaching procedures are not effective on carbon stains.

Coca-Cola: See "Soft Drinks."

Cod liver oil: See "Oxidizing Oils."

Coffee (tea): These stains should be treated before drycleaning whenever possible. Flush as much of the stain as possible with a neutral lubricant. Then add a general formula or 28 percent acetic acid along with some neutral lubricant and flush the stain. Repeat this several times.

Any stain remaining will have to be removed by bleaching. Chlorine is very effective on the yellow stain remaining but such a bleach damages wool. The color of the fabric must also be considered before resorting to bleaches.

Cooking and salad oils: See "Oxidizing Oils."

Corrosion, metallic: Flush the stain thoroughly with the steam gun and a neutral lubricant. Work with a bone spatula or spotting brush as necessary. Commercial wet spotters are sometimes effective on this stain but care must be exercised so that a loss of the base color does not occur when using them. Flush the stain thoroughly and apply a rust remover (not on metallic fabrics or weighted silk). Then prespot the stain with a wet-dry-side paint remover and dryclean.

Dyes: Dye stains are generally considered to be wet-side stains. Their removal depends on the fastness of the dye stain itself as compared with the fastness of the base dye.

Soaking out such stains in water and a neutral lubricant, while slow, is probably the safest and the most effective procedure.

If soaking with a neutral lubricant does not remove the stain, then first test a sample of the garment fabric to determine the fastness of its dyestuff. If, for example, the base dye is fast to ammonia, it would be advisable to soak the foreign dye stains in ammonia and a neutral lubricant. If the base dye is fast to acids, then an acid such as 28 percent acetic could be added to the neutral lubricant.

The foreign dye may bleed with the opposite of the base dye of the garment. Then dye removal can be accomplished without damaging the base dye. Should the foreign dye bleed to the same agent to which the base dye bleeds, it becomes a battle of dyestuffs to see which will clear from the fabric first. In such a case the risk of damaging the base color is quite great and care must be exercised.

If such soaking procedures have been attempted and dye stains still remain, it is usually necessary to resort to bleaching. On colored garments a milder bleach must be used, such as hydrogen peroxide or sodium perborate. Acetate dyes are generally quite resistant to oxidizing bleaches and therefore even a 1 percent solution of chlorine bleach can be used in removing a foreign dyestuff, if the base dye is an acetate dye. If the foreign dyestuff is an acetate dye the problem becomes almost impossible unless prolonged soaking does the job.

Food: Apply water with the spotting brush and tamp, or flush with steam gun or water spray gun. Then, depending on the stubbornness of the stain, follow with a neutral lubricant. Manipulate with the brush or spatula and flush out with the steam gun.

Stains that do not respond to the above treatment probably either contain albumin or are held to the fabric by sizings. In either case, the answer is spot or bath digestion.

Glue, rubber or cellulose: Apply solvent or a volatile-type paint remover to the stains. Then add amyl acetate. Amyl acetate works slowly and so time must be given. Rather than add a large quantity at one time, repeated applications, as it evaporates off the fabric, are advisable. In some instances an oily-type paint remover can be added after the amyl acetate which tends to reduce the evaporation rate and thus soak out the area. The stains will gradually be dissolved; the garment should then be recleaned.

Carbon bisulfite and benzol are sometimes advocated but both are highly inflammable and carbon bisulfite has a very bad odor which sometimes causes a problem. Therefore most spotters do not use them.

Glue, vegetable or animal: These glues are generally soluble on the wet side. In many cases digestion is advisable, followed by spotting with a neutral lubricant and ammonia —provided the dyestuff will stand it.

Grass: Remove these stains before drycleaning, if possible. Flush with solvent and apply a wet-dry soap, work with the spotting brush or spatula and dryclean immediately. If the green in the stain is heavy and bright, add a little amyl acetate to the prespotter.

To remove on the wet side, flush with the steam gun or water, apply a neutral lubricant or, preferably, a wet-dry soap. Brush with the spotting brush or work with the spatula, then flush with the steam gun. Repeat several times, if necessary. If this fails to clear up the stain on colored fabrics, apply general formula, working with the brush or spatula, and flush with the steam gun.

White garments may be bleached with sodium perborate or hydrogen peroxide. White cotton and linen may be given a chlorine bleach, if necessary.

Indelible pencil: Place a piece of cheesecloth under the stained area to absorb bleeding dye, and apply a light feather of steam or water spray. Turn cheesecloth frequently so bled dye cannot come in contact with the fabric, and replace it when necessary. When the dye stops bleeding with the application of the steam gun, remove the cheesecloth and work the stain with either neutral lubricant or general formula. Then replace the cheesecloth and flush with the steam gun, repeating until no more dye can be removed.

On white or pastel fabric, remaining traces can be bleached with hydrosulfite or hydrogen peroxide. Sometimes the hydrosulfite will appear to remove the stain, only to have it return after flushing. If this happens, hydrogen peroxide should do the job.

For this type of stain it is important to check the pocket before starting, since pencil points often break off. Turn the pocket inside out, even if you must rip a seam, to ascertain if there is a stain which might later bleed from steam from the press or even perspiration from the wearer's body.

Ink (India, indelible, ball-point, printer's ink, etc.): These inks all fall in the category of dry-side inks. They are usually heavy inks that lie mostly on the surface. Towels or cheesecloth should be handy to absorb the great amount of bleeding dye. First apply solvent to the stains. Then begin by applying an oily-type paint remover. Flush from the fabric with solvent or a volatile-type paint remover. Repeat this operation as long as bleeding takes place. Ball-point ink is readily removed in this manner and the garment can then be drycleaned. Be sure to remove as much of these inks as possible on the dry side before drycleaning the garment.

Should stains still remain, spotting with a neutral lubricant and a wet-side-dry-side paint remover is advisable. Flush this solution from the fabric very thoroughly with

water and don't apply the steam gun very close to the fabric. A neutral lubricant and ammonia might then be tried. Beyond this point it will be necessary to resort to bleaching to remove any traces of the stains.

Ink (blue, blue-black, black, etc.): Inks of this type are wet-side inks and not very responsive to dry-side solutions.

Keeping in mind that there will have to be an absorbent under the stains to pick up the bleeding dye, begin by first adding water and a neutral lubricant. This will immediately start bleeding. Blot up as much of the bleeding dye as possible by using blotting paper on the stain directly as well as towels and cheesecloth under the stain. Repeat this procedure so long as dye is being removed. Do not be too quick to leave this operation.

After bleeding has stopped apply an acid-type spotting agent such as 28 percent acetic acid, 10 percent formic acid, general formula, or an ink remover. Using one of these in conjunction with a neutral lubricant will again start the ink bleeding. Continue this until no bleeding occurs. Then apply a rust remover to remove any iron tannates that might be present. Flush again with a neutral lubricant. Then apply ammonia.

Any traces of color remaining will have to be removed by bleaching.

Iodine: Flush out the area with steam or water to remove excess coloring. Wrap a few crystals of sodium thiosulfate (hypo) in a cheesecloth and after immersing it in a dilute ammonia solution dab the stain with this ammoniated hypo. Continue dabbing until the last traces of the stain have disappeared, then flush out with the steam gun, feather out and dry. To loosen up old, hard-set iodine stains, first flush with the steam gun and apply a neutral lubricant with ammonia. When no more color is moved, follow as above.

Iron rust: Wet the area with the steam gun or water and apply a drop or two of a commercial rust remover. If the stain does not disappear immediately, apply a light feather of steam.

Lipstick: If this stain is treated before drycleaning it is not a difficult job. Saturate the stain with solvent or a volatile-type paint remover. Have a towel or cheesecloth underneath the stain to absorb the bleeding dye and pigment. Apply an oily-type paint remover if lubrication of the stain is necessary. Follow by flushing the stain with a volatile-type paint remover or solvent. Then dryclean the garment.

After drycleaning this stain is difficult to remove, particularly if the garment has gone through the tumbler and thus been exposed to heat. Much of the lubrication natural to the stain has now been removed so the first step is to relubricate it with an oily-type paint remover and flush the area with solvent or a volatile-type paint remover. Continue this as long as bleeding takes place. Then reclean the garment.

Should the stain still remain the problem becomes one of dye. Spot the stain with water and a neutral lubricant and flush as much of the dye from the fabric as possible. When all bleeding has ceased, begin adding ammonia to the stain. This will start bleeding again. Flush with water from the steam gun and a neutral lubricant. This will generally remove such stains. If not, bleaching will be necessary.

Meat sauces: Flush such stains with water and a neutral lubricant. Dry the fabric. Then apply solvent to the area and spot the stains with repeated applications of a volatile and an oily-type paint remover. Dryclean the garment.

Metallic corrosion: See "Corrosion, Metallic."

Mildew: Flush with the steam gun and apply a neutral lubricant to which ammonia has been added, or a wetcleaning soap. Tamp with the spotting brush or work with the spatula and flush with the steam gun. Where traces remain on white or light-colored fabrics, spray with peroxide, allow a little time for oxidation, then flush out.

Where large areas are affected, brush with a wetcleaning soap, rinse thoroughly, then give a light bleach in a perborate bath. Even colored fabrics may be cleaned by permitting them to remain in the bleach for a short period, watching closely for effect on the basic dye. On white linen, cotton or rayon a chlorine bleach may be used effectively.

Mud: Let the stain dry thoroughly, then dry-brush as much as possible from the surface of the fabric. Then flush the area with water and a neutral lubricant. Dry the garment. Should any traces remain, prespot the stains with an emulsion of water and drycleaning detergent and dryclean the garment.

Mustard: Saturate with the steam gun or water and apply neutral lubricant with formic or acetic acid, or a general formula. Work with the spatula or spotting brush and flush. Repeat procedure until no more color is removed. Then, on white or light-colored fabrics (or colored fabrics that withstand a test for dyefastness) apply hydrosulfite bleach, sodium perborate or hydrogen peroxide. Chlorine bleach may be applied on white cotton, linen or rayon. This is one of the few stains that can seldom be completely removed.

Nail polish: Nail polishes are usually readily soluble in amyl acetate. Be sure to give the amyl acetate time to dissolve the nail polish and keep the stains saturated with amyl acetate by repeatedly applying a few drops. When the stain has been dissolved, rinse the garment in the drycleaning washer.

Oxidizing oils (linseed, cooking oils, mayonnaise, cod liver, etc.): This stain can be a very simple one to remove or be impossible, depending on the degree of oxidation. Therefore it is urgent to spot this stain as soon as possible and before drycleaning.

First apply some solvent to the stain and then an oily-type paint remover. Work well into the stain. Follow with a volatile-type paint remover. Tamp the spot well with a brush and dryclean the garment.

If the stain remains after cleaning, a wet-and-dry-side paint remover used on the wet side will sometimes improve the stain.

These stains can usually be identified by their characteristic cross design in the fabric. A highly oxidized stain will generally be dark to black in color.

In extreme cases a formula of one part pyridine and nine parts of solvent or oleic acid can be used to advantage.

Paint and pigments: Paint and pigments should be removed before drycleaning whenever possible. Drycleaning and tumbling tend to dry out and oxidize the oils in the paint, making removal more difficult. Before drycleaning, paint spots can readily be removed by the use of both volatile and oily-type paint removers alternately. Then dryclean the garment. After drycleaning, a greater effort toward relubricating the paint stain will be necessary by the use of an oily-type paint remover. Then a volatile type can be used to help dissolve the pigment. Paint is most difficult on cotton fabrics and almost impossible to remove from leather.

Care should always be exercised in using a bone spatula in conjunction with paint removal because digging with the point can result in severe damage to the dyestuff or fabric.

Pencil, indelible: See "Indelible Pencil."

Pencil marks: See "Carbon."

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Continued from page 103

Perfume: Perfumes usually contain a very high percentage of alcohol, which bleeds acetate dyes profusely. Therefore in many cases (wherever acetate dyes are present) perfume stains will mean that the dye has bled to form a dark outer ring of built-up dye. In almost all cases nothing can be done to overcome this condition short of redyeing.

In an attempt to remove the stain it would be advisable to flush the area well with a neutral lubricant and water. Then add an acid spotting agent such as 28 percent acetic acid or general formula. Flush the stain well and dry.

Perspiration: Spray with a steam gun or water and apply a neutral lubricant. Tamp the area with a brush and flush thoroughly. Add a little ammonia, if necessary, to the neutral lubricant, tamp and again flush the area.

Sometimes color changes occur under the arms. The color can be restored by the application of 28 percent acetic acid or 10 percent formic acid.

In charged-system operations garments can generally be introduced into the washer without drying, provided the system is adequately charged to absorb this moisture and the humidity factor of the solvent system has not been exceeded.

Road oil: See "Tar."

Rubber glue or rubber cement: See "Glue, Rubber."

Shoe polish: Prespot before drycleaning whenever possible. Lubricate the stains thoroughly with an oily-type paint remover, then flush the stains with a volatile-type paint remover. Continue this as long as bleeding takes place. Then dryclean the garment.

Any stain that remains after drycleaning is usually a leather dye that is very difficult to remove. Saturate the area with steam or water and lubricate thoroughly with a neutral lubricant followed by ammonia. Flush the stain thoroughly.

Silver nitrate: Flush with the steam gun or clear water, add a drop of iodine or put a few crystals on the spot, and leave this on the stain for 30 seconds to one minute. This converts the silver nitrate into an iodide salt, which is soluble in ammonia and sodium thiosulfate (hypo). After thoroughly flushing out the stain formed by the combination of iodine and silver nitrate, dab the affected area with a small amount (half teaspoonful) of hypo crystals wrapped in cheesecloth which has been saturated in dilute ammonia. Flush, feather out and repeat the process if necessary

Soft drinks: Flush with the steam gun or clear water and apply a neutral lubricant, possibly adding acetic or formic acid. Work with the spatula or spotting brush and flush with the steam gun. If necessary, follow with a few drops of general formula and again work with the spatula or brush and flush. Last traces of color on white or pastel garments (or on darker garments after testing for colorfastness) may be bleached with hydrogen peroxide or a few drops of hydrosulfite.

Soot: See "Carbon."

Syrup: See "Candy."

Tar: Saturate the area with drycleaning solvent. Then work an oily-type paint remover well into the stain. Flush the area with a volatile-type paint remover and dryclean the garment.

In some cases a yellow stain may remain. This type of stain may be removed by the use of a few drops of carbon disulfide but this material is very inflammable and carries a rather repulsive odor. Fortunately most tar can be removed without resorting to this extreme.

Tea: See "Coffee."

Vomit: This stain often involves large areas of a garment. In some instances the substance has dried. As much as possible should be dry-brushed from the fabric. Then, if the plant is operating on a charged system, a water gun can be used to wet down the affected areas and a neutral lubricant can also be brushed into these areas. Then dryclean garment.

It may be necessary to digest such stains. This may involve a local operation or immersion of the entire garment in a digester bath. The latter, of course, will involve wet-cleaning the garment.

Stains To Be Prespotted

Stains that are set by the heat encountered in drycleaning and pressing should be recognized readily by markers and spotters. The following stains should always be removed in prespotting:

Blood: A stain red to brown in color, both absorbed and built-up, usually found on the fronts of garments.

Coca-Cola, root beer, beer, etc.: Stains of this type often develop into difficult stains. Working them before exposure to cleaning and heat is advisable.

Coffee: Color will vary from light brown to dark brown depending on the amount of cream in the coffee; entirely absorbed. Stain will tend to spread in wide splotches with irregular edges.

Lipstick, rouge: Partial removal of the pigment may leave dye remaining unless stains are adequately lubricated before cleaning.

Mud: Exposure to the drying effect of solvent and heat causes clays present to bake into an insoluble state.

Oxidizing oils (cod liver, mayonnaise, etc.): Once these stains become oxidized through aging or exposure to heat they are impossible to remove.

Paint: See "Lipstick."

Perfume: May be identified by odor and location on front of garments. In pronounced cases may leave a round or circular stain, light in center with the dissolved dyestuffs pushed out to the circumference in a dark, heavy ring.

Pigment dyes: A common stain on the seat and shoulder of a garment, usually picked up from leather upholstery.

Road oil, tar, asphalt: Black, built-up stain with a rough, uneven surface and irregular edges. If fresh, has a distinctive odor.

Syrup: Sticky when wet; often identifiable by odor.

Tea: Similar to coffee, but more tenacious.

Spotting Tips

1. Keep tight corks or covers on all spotting agents. Only solvents safe for use on all fabrics should be kept conveniently at hand.
2. Many fabrics are weak when wet. Use a tamping action with a brush.
3. After use, spotting brushes should be hung up to dry or left face down so the water drains from the bristles. Soaking in water swells the fibers and splits the wood base.

4. Keep spotting brushes in shape. Uneven bristles cause inaccurate applications of solvents and may hurt the fabric.

5. Gouging with the point of the spatula will lead to damage claims. Excessive rubbing with a bone spatula, particularly on hard-finished fabrics such as taffetas, will often cause a loss of color.

6. Acetate dyes bleed profusely with alcohol and slightly with acids. Keep this in mind when using acid spotting agents and some prespotters that contain alcohol.

7. Use a dropper to apply spotting agents. Frequently a few drops will do the job; when small amounts are employed, removal of the agent is simplified.

8. Remember that wool dyes bleed with alkalies such as ammonia. Be careful in using hot soap solutions or using any alkali in conjunction with the steam gun.

9. Before resorting to wetcleaning consider the possibility of handbrushing with emulsions of drycleaning detergents and water or spraying down the garment before rerunning in a charged-system operation.

10. When applying a digester to an albuminous stain make certain all the soap, alkali or acid is thoroughly rinsed out.

11. Do not use rust removers on the glass top of a spotting board. Keep any of the sulfur bleaches such as sodium hydrosulfite from coming into contact with metal while it is used on a fabric. A black metallic oxide stain will result.

12. In using a steam gun keep the jet moving at all times, and keep it about 3 inches from the fabric. Getting the jet too close to the fabric may result in fuzzing.

13. Remove all spotting agents from the fabric. If they are dry, like paint removers, flush them out with a dry solvent. If they are wet, like ammonia or dilute acetic acid, flush them out with water.

14. In drying garments circulation of air is more important than high temperatures.

15. Know when to quit. In cases where it is impossible to remove the stain without danger to the fabric, it is better to leave the spot than ruin the garment.

THE FUR DEPARTMENT

Fur Conditioning

Precleaning

All coats accepted for fur cleaning should be closely inspected for rips, tears, and fragile or worn pelts. Any torn or worn seams should be repaired at this point of the operation. Take out any loose linings to prevent the cleaning compound from working under them. Moth damage, shedding or cracked hairs, and fugitive dyes (sometimes found on blue and platinum fox) must be reckoned with.

After inspection, each coat should be beaten and shaken to remove loose dust and hair, moths and larvae, as well as to fluff up the matted hair. This operation economizes on the cleaning compound because there is less loose dirt left in the coat for it to absorb, and also cuts down drumming time. Beating may be done quickly in a vibrating chamber.

Sponge the lining of the garment with a cleaning solvent. This solvent must have properties that remove dirt, grease and most ordinary spots. Pour one pint into a shallow pan, then apply to the lining and rub vigorously with a sponge or brush. Where you have a concentration of dirt, wet down generously with solvent and then use a brush to work this dirt loose. About 3 or 4 percent of all linings are badly soiled and will have to be removed and drycleaned.

Drumming and caging

Put 1 to 5 pounds of absorbent into the drum for each coat to be cleaned. Also add 1 pint of cleaning solvent and ½ pint of water-base cleaning fluid for each coat. Absorbent materials and cleaning fluids should be completely mixed before coats are put in drum. Place coats in drum and revolve for approximately one-half hour. This time may vary, depending on the coat's fragility.

After drumming, garments are placed in the cage and tumbled an average of 45 minutes. Next, the garments are placed in the suction chamber of the vibrating table to remove any excess absorbent material. Each garment is then placed on a work table and both the lining and fur are blown with compressed air. If cleaning material has worked under the lining, open the seams and blow it out, but to avoid excess labor keep seam ripping to a minimum. Use a mechanical beater in conjunction with compressed air to remove lint from curly fur such as Persian lamb.

Glazing Chart

Fur	Rotary Iron	Steam Iron
Beaver	•	...
Civet Cat	•	•
Ermine	...	•
Fitch	•	•
Fox	...	•
Guanaco	•	...
Lamb, Persian, and others	...	...
Leopard	•	...
Mink	•	•
Mink, Jap	•	•
Mink, Side	•	•
Mouton Lamb	•	...
Muskrat	•	•
Nutria	•	...
Ocelot	•	...
Opossum, American	•	•
Opossum, Australian	•	...
Otter, Plucked	•	...
Persian Paw Lamb	...	...
Rabbit	•	•
Raccoon	•	•
Raccoon, Sheared	•	...
Seal, Fur	•	...
Seal, Hair	•	...
Skunk	•	•
Squirrel	•	•
Wolf	•	•
Wolverine	•	•

Source—Walter Haertel Co.

Glazing

Fur glazing is to fur cleaning what pressing is to drycleaning. A fur garment may be cleaned thoroughly, yet will not look well until it has been glazed. Glazing may be accomplished either through the use of solutions or through mechanical means. Solutions used include potassium permanganate, Chinese elm bark soakings, alcohol, plain water, etc.

In recent years steam irons, steam guns and rotary irons have become popular for this purpose, and usually do an excellent job with minimum labor. The method used, of course, must be suited to the particular fur being glazed. The steam-iron method is limited to certain types, such as muskrat, mink and coney. Beaver or mouton types and curly furs should not be steamed. The rotary iron is a grooved,

revolving, heated iron which, when properly applied to fur, will straighten out the hair and produce a high sheen and silkiness.

Effects of excess humidity

When there is a relative humidity of 65 percent or more in a storage vault, every article in the vault is in danger of being ruined by mildew. Mildew will grow in furs, rugs, and all cloth garments. Humidity of 52-53 percent is plenty for most situations.

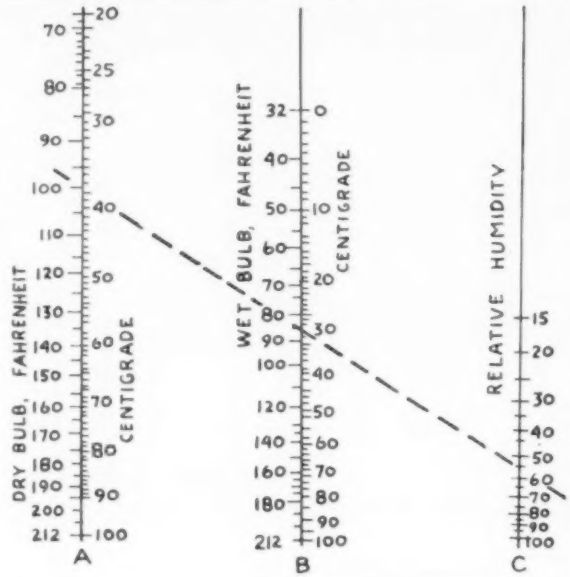
It is not generally known that excessive humidity, even if it is not sufficient to cause mildew to grow, can spoil the fit of a fur coat. When humidity reaches a certain maximum, skins become soft and pliable and subject to stretching at the shoulders.

Fur Cleaning Classification

Fur	Drumming Time	Caging Time
WATER RODENTS		
Beaver	1 hour	1 hour
Nutria	1 hour	1 hour
Muskrat	30 to 40 minutes	15 to 20 minutes
LAND RODENTS		
Rabbit Marmot	30 to 45 minutes	30 to 45 minutes
THE CAT FAMILY		
Leopard Ocelot Leopard Cat Lynx Civet Cat	30 to 40 minutes	25 to 30 minutes
THE DOG FAMILY		
Fox Wolf Coyote Chinese Dog	45 to 60 minutes (bagged)	These furs usually used for scarfs. To prevent breakage of buckles and eyes, do not cage
THE BEAR FAMILY		
Raccoon Bear	1 hour	1 hour
POUCHED ANIMALS		
American Opossum Australian Opossum	45 minutes	45 minutes
THE WEASEL FAMILY		
Mink	30 to 40 minutes	30 to 40 minutes
Kolinsky	30 to 40 minutes	30 to 40 minutes
Fitch	30 to 40 minutes	30 to 40 minutes
Fisher	30 to 40 minutes	30 to 40 minutes
Weasel	30 to 40 minutes	30 to 40 minutes
Otter	45 minutes	30 minutes
Skunk	45 minutes	30 minutes
CURLY FURS		
Lamb Persian Lamb	20 to 30 minutes	5 to 10 minutes
HOOFED ANIMALS		
Pony	35 to 45 minutes	35 to 45 minutes
Kidskin	20 to 30 minutes	10 minutes
FUR SEAL		
Black Brown	35 to 45 minutes	35 to 45 minutes
DELICATE FURS		
Chinchilla Mole Squirrel Barunduki	Hand-clean	Shake out by hand or with a suction work table

Source—Walter Haertel Co.

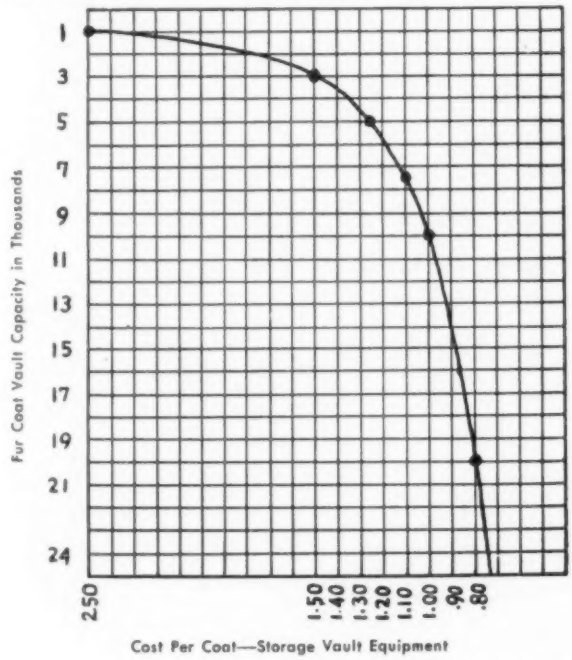
Gauging Relative Humidity



The accompanying chart makes it possible to gauge relative humidity quickly. Run a straight line through the dry bulb temperature, column A, and the wet bulb temperature, column B. The relative humidity is given at the intersection with column C. Thus, if the dry bulb temperature is 100° F and the wet bulb temperature 85° F, the dotted line drawn across the chart shows that the relative humidity, column C, is 54 percent.

The chart is based on a formula developed by the U. S. Bureau of Standards.

Approximate Cost of Vault Equipment



Source—Reliable Fur Storage Equipment Co.

Fur Storage Definitions

HUMIDITY CONTROL is increasingly recognized as one of the most important factors in the successful operation of the fur and woolen garment storage business. Besides moth damage, mold as a damaging element is becoming more important with the growth of the apartment-dwelling population. It calls for accurate and careful humidity control.

If fur garments are kept in an absolutely bone-dry atmosphere they lose some of their natural oils and pliability. They then become vulnerable to breakage and to loss of hair from the pelts. If too much humidity is present, mold damage may completely ruin a garment.

Hence, the subjects of relative humidity, humidity measurements, humidity control, hygroscopic moisture, refrigeration and other phases of scientific storage engineering are important. It is believed that this set of definitions will make a useful contribution to the vocabulary of the industry.

Dew point: The temperature at which moisture in air will condense if cooled at constant barometric pressure. Air has a capacity to hold moisture which increases with the air temperature and decreases as the air temperature is lowered. If air is cooled to the point where relative humidity reaches 100 percent, the moisture will be given up in the form of condensation. At that temperature, the air has reached dew point.

Example: Air at 70° dry bulb and 65° wet bulb (see below) has a dew point of 62.5° F. If the air is passed over a cooling coil which has its surface maintained at a temperature of below 62.5°, the moisture in the air will be given up as a condensation on the coil (the process of dehumidification or latent cooling).

Relative humidity: The percentage of the maximum amount of water vapor or moisture which can be absorbed by air at a given temperature. It is determined by a wet bulb depression or can be measured by a direct reading hygrometer. A hygrometer usually employs hair or other material which is sensitive to humidity changes.

Wet bulb temperature: Air temperature measured by a thermometer equipped with a wick (on the bulb) which is saturated with water. When air is passed over the bulb, the thermometer will drop below the dry bulb temperature of the air because of the evaporative cooling effect. The wet bulb reading is taken when the wet bulb thermometer reaches its lowest point. The number of degrees it falls below *dry* bulb temperature is called *"wet bulb depression,"* which is a measure of relative humidity.

Wet bulb temperature provides a means of determining the latent cooling load or latent cooling effect when used in conjunction with a psychrometric chart. The instrument ordinarily used to take wet bulb reading is a psychrometer.

Example: Air at 70° dry bulb and 60° wet bulb has 56 percent relative humidity and contains 26.5 B.t.u. per pound. At 70° dry bulb and 65° wet bulb, the relative humidity is 77 percent, and total heat contained is 30 B.t.u. per pound.

Refrigeration: May be defined as the process of cooling or removing heat. It is the process by which the temperature of a given space or substance is lowered below that of the atmosphere or surrounding materials. This is accomplished by transferring the heat contained in one substance to another.

Temperature: Heat can be measured and the degree of intensity of heat is termed temperature. The unit of temperature most used in the refrigerating industry is the degree Fahrenheit. The degree Fahrenheit is 1/180 of the difference between the temperature of melting ice and that of water boiling under standard atmospheric pressure.

Hygroscopy: Hygroscopic materials are those that readily absorb and retain moisture. They are generally of vegetable or animal origin. Furs are hygroscopic.

The temperature and relative humidity of air affect the hygroscopic moisture content of these materials and in turn their weight, strength, appearance, quality and ease of working. The control of hygroscopic moisture may be required during storage to permit easy processing and to fix the weight at the time.

Moisture content: The sum of free moisture resulting from hygroscopic moisture absorbed from the atmosphere. It is usually expressed as percentage of total garment weight.

Capacities of Fumigation Cabinets

Inside Area (cubic feet)	Capacity (number fur coats)
141	40
219	70
297	100
375	130
453	160
531	190
639	220
717	250

Furlike Fabrics

In recent years man has learned to blend synthetic fibers that have all the appearance and advantages of natural furs and to make them available at moderate cost.

The most popular blend at the moment, an Orlon-Dynel deep-pile weave, is widely used in women's coats and is finding its way into fine bedspreads, throw blankets, baby-carriage covers, ear muffs, furlike collars, etc.

Garments made of Orlon-Dynel are mothproof, mildew-resistant and can be handled in the cleaning operation if proper care and precautions are observed. When these furlike fabrics first came out the manufacturers specified that they should be cleaned by the furrier method only. This method will produce a passable job. But since these coats are made of fiber, nothing surpasses drycleaning for getting them clean.

Identifying Orlon-Dynel

The pile of these coats is generally made up of 65 percent Orlon and 35 percent Dynel. Some brands have a woven cloth back made entirely of Dynel. This is true of "Cloud #9" and "Baronesa." Others use a knitted Dynel backing. These include "Borgana," "O'llegro," "Nutrana," "Furlana," "Beavalure," "Beavelon," "Sabelure," "Bevado" and "Mon Sal," among others.

These garments should not be regarded as "run-of-the-wheel." They require special handling and deserve premium rates.

Cleaning procedures

Furlike coats will release their soil very rapidly under normal conditions, since they have a deep pile. A short cleaning cycle without moisture is in order. These coats will develop static. As a result they should be run by themselves, or with a light soft wool load, on continuous filtration.

The pile fibers will withstand the use of moisture. That isn't where the problem lies. Moisture affects the knit and woven back construction of the fabric. Just as in other coats of this construction, there is a tendency for shrinkage when

moisture is used. If any moisture is used, it should be held to the barest minimum.

In the case of heavily soiled Orlon-Dynel coats it is well to soak the garments in an extra strong concentration of charged-system soap. A dip tank or barrel should contain up to a 10 percent solution of soap for this purpose. The soiled garments should be left to soak for about an hour. After draining they should be given the usual short run in the washer, in the normal concentration of charge. A clear rinse is beneficial.

These coats generally have linings of acetate. When the linings are badly soiled, they can be brushed with a moisture emulsion prior to regular cleaning. It can also be done just before the soaking operation described.

Extraction requires moderation. Too much extraction will cause hard wrinkles and creases to develop. Too little extraction can create uneven drying and resultant swales.

Drying is another critical factor in processing Orlon-Dynel fabrics. Good results have been obtained by tumbling the garments for 5 to 10 minutes in a cool tumbler, then hanging them to air-dry. Heavy wooden hangers are better for this purpose than the regular wire garment hangers.

Spotting suggestions

The use of high heat is out of the question so far as Orlon-Dynel is concerned and steam guns should not be used under any circumstances. The fibers may fuse and mat if exposed to excess heat.

Chemically speaking, both Orlon and Dynel will withstand all of the common spotting chemicals and stain removal offers no problem.

This is a pile fabric, just like velvets, and must be handled as such. When working on the wet side, brush the stained area with the grain of the pile. Do not use the brush in a circular motion. The pile will become snarled or matted. A towel can be used to pick up any excess moisture. And a short run in a cold tumbler will help raise the pile.

Wetcleaning advice

Wetcleaning involves some risk from a fabric construction standpoint. If an occasional garment is very badly soiled or stained it is suggested it be soaked out in tepid water and a neutral wetting agent.

After such soaking, the garment should then be brushed with a soft bristle brush with the lay of the pile. Then rinse well by holding the garment with the hands in a basket grip. Extract lightly, cool-tumble and hang to air-dry.

Finishing techniques

Some of the greatest problems plantowners have with Orlon-Dynel stem from improper finishing methods. The finishing of these coats is a radical departure from ordinary pressing methods. They have no more place on the steam presses than have fur coats. In fact, some of the newer finishing techniques involve equipment practically identical with fur finishing machines. These units come in a wide range of prices to conform with the needs of even the smallest plant. One method involves the use of only a spray gun to apply a silicone film over the fabric. If you don't have these special machines a steam-air finisher may be used with these precautions:

Do not steam more than 2 or 3 seconds.

Do not touch the garment in any way with hands or brush while it's on the finisher.

Do not fasten the coat in any manner.

Do not crush the pile.

In general, it is well to remember that it is better to do nothing to Orlon-Dynel in the finishing room rather than do too much.

Linings can be touched up in the conventional manner with a steam iron, but the iron should never touch the pile of the coat. Your best bet, of course, is to use equipment and supplies made specifically for finishing Orlon-Dynel.

THE SHIRT DEPARTMENT

Shirt Laundering

What other cleaners have found out about the shirt laundering and finishing sideline:

1. Shirts are a permanent item of wearing apparel and require almost constant maintenance the year 'round.
2. Shirt tailoring is fairly well stabilized and permits finishing on standard equipment.
3. Cotton sport shirts which would otherwise be wetcleaned or drycleaned are handled quickly by the shirt department.
4. Shirt customers are inclined to bring other garments, thus stimulating drycleaning sales and tending to level peaks and lows throughout the year.
5. The shirt sideline is profitable in itself. Profits of 20 to 25 percent before taxes are not unusual.

Is your present location suited for shirt laundering?

Chances of success are greater:

In cities than in rural areas

Among white collar workers than among the laboring class

Among the upper and middle-income groups than low-income

Among native-born families than among foreign-born

How many shirts do you need to reach the break-even point?

For the very smallest complete shirt laundry (three operators) a minimum of approximately 1,000 shirts per week at 20 cents each is thought to be necessary in a high-cost area to reach the break-even point after checking off depreciation.

You can estimate your potential volume by simply asking your current customers if they would welcome such a service. Or, for a quick estimate, figure that each adult male in your market area has about four shirts which will need laundering each week. Not a few cleaners got into the laundering end of the business after first having shirts "farmed out." This provides a highly accurate count.

What equipment is necessary?

Basically, a washer, an extractor and a finishing unit. Racks, bins, tables and damp boxes can either be built or purchased as desired. Optional equipment may include a starch cooker (big enough to hold a half-day supply of starch), button sewer, marking equipment and a "conditioning" tumbler.

Examples: Two typical package shirt laundries on the market, each said to be able to produce 2,000-2,400 finished shirts per week:

Unit A includes 20-lb. (dry-weight capacity) washwheel, 15-inch extractor, 2-girl finishing unit.

Unit B includes 25-lb. washwheel, 20-inch extractor, 2-girl finishing unit.

In purchasing equipment you should consider:
- How much the unit can produce
- Quality of work produced
- How much room unit will take
- How it will fit into later plant expansion program
- Ease of operation

A complete, three-girl laundry will require about 175 square feet of floor space.

Open-End Washers

Manufacturers' rated capacities in dry pounds of clothes

Diam. of Wheel	Length or Depth of Wheel												
	13"	14"	15"	16"	18"	20"	22"	24"	25"	26"	28"	32"	42"
20"	..	..	..	..	..	15	..	..	..	..	..	..	..
22"	..	..	..	..	..	..	..	..	25	..	..	..	..
27"	..	..	20	..	..	..	..	..	..	..	..	..	..
28"	18	..	..	25	..	..	..	..	..	..	..	..	..
30"	..	25	30	..	35	..	..	..	..	..	50	55	60
32"	..	..	..	..	..	..	..	50	..	..	..	..	..
34"	..	..	..	..	..	..	..	60	..	..	..	..	..
36"	..	..	..	35	50	..	60	60	..	75	..	..	..
42"	..	..	..	..	..	..	..	100	..	100	..	..	..

Extractors

Diameter	* R.P.M.	* * Dry Load Pounds
15"	1600–1750	10
17"	1500–1700	12–18
20"	1300–1650	25–30
26"	1200–1600	40–55
28"	1100–1400	60–70
30"	1000–1320	70–80

* Approximate—R.P.M. of similar size extractors of different manufacturers vary.
* * Manufacturer's rated capacity.

How much will it cost?

Most price lists are given at F.O.B. which means delivery cost must be added. Installation charges generally run an extra 15-20 percent of equipment and machinery costs.

Conservatively speaking, the cleaner who expects to handle 1,500-2,000 shirts per week should expect to invest an estimated $8,000 to $11,000 on his new shirt laundry and finishing equipment.

The open-end washers seem to be the most popular type used in small shirt laundries, probably because they come in smaller sizes than the side-loading variety.

In making a purchase consider the following:

- Ease of loading and unloading
- Rapidity of filling and dumping
- Amount of labor needed to maintain operation

In deciding upon the capacity required, remember that *one dry shirt weighs about ½ pound.* A washer with a dry-weight capacity of 25 lbs. will hold approximately 50 shirts.

Generally speaking, the smaller the diameter of the basket the greater the number of revolutions per minute and the faster the extracting cycle. An efficient extractor should remove roughly 70 percent of the water in a load. You can check this by weighing the load before and after extraction. When the amount of moisture retained in the load reaches 50 percent of the load's dry weight, it is no longer economically feasible to continue the extracting operation.

As minimum equipment some manufacturers recommend the 2-girl unit with either three or four presses. This unit can be operated by one girl until the volume gets up around 800-1,000 shirts per week. Then another girl can be added to bring the unit up to full strength and peak production.

The Washing Formula

The washing formula is nothing more than a set of operations to be followed in washing garments of a certain classification. There are as many formulas as there are classifications. Each operation is a separate bath and each has a specific name. The formula indicates the operating conditions and supplies needed for each bath.

It is impractical to give one washing formula which can be used under all conditions in every plant. Your soap supplier is the person best equipped to recommend the formulas best suited for your operation.

The break: The "break" or first bath serves to wet out the clothes. It is one of the most important operations in the washing formula. When properly executed, the break loosens and suspends up to 96 percent of the soil present in the load. Only about half of this soil is removed when the bath is dumped, for garments absorb a good portion of the water. The water level used at this stage is sometimes run a little higher than in the suds bath since there is more soil to remove.

Recommended Washing Temperatures	
Whites	140°–160° F
Lights and fast colors	140°–150° F
Fugitives, silks, rayons and wool	90°–100° F

Running time on breaks runs from 5 to 10 minutes for side-loading washers, while 2-minute runs are deemed minimum for the open-end type washers.

Suds: The purpose of the suds baths is to dilute and suspend the soil which has already been loosened but which still remains in the load after the break. It also serves to dislodge the more stubborn soils remaining in the fabric. Soap is the ideal agent for this operation.

Running time for this bath should not exceed 10 minutes, for tests have proved that most of the dirt in a load is placed in suspension in less than 5 minutes. The *length* of the sudsing (or for that matter, rinsing) cycle is not as important as the *number*, where washing efficiency is concerned. Two 5-minute suds are more effective than one 10-minute suds.

Bleach is added in the final suds operation to remove stains. Bleach does not clean clothes—it whitens them. It is useless for covering up grayness from redeposition of soil, soap or alkali.

Overbleaching is hard on clothes since it reduces tensile strength of fabrics. Under normal conditions, *it is generally agreed that one quart of 1 percent bleach per 50 pounds of clothes is the correct amount to use.* Bleach should never be used without soap in the wheel. Soap slows down the bleaching action until the bleach has permeated the load.

Rinsing: Rinses are employed to remove soap, alkali and, of course, any remaining soil suspended in the load. Improper rinsing may result in yellowing of the fabric, gray work, soap specks, sticking of the shirts to the press bucks, etc.

Under normal circumstances a 1-to-2-minute rinse is long enough for a rinse bath in a 25-pound washwheel. The number of rinses will depend on the amount of soil in the load. Rinsing is considered sufficient when the total alkalinity is

equal to or not more than twice the titration of tap water where there is a high bicarbonate content.

Souring: The souring operation is used to neutralize any alkalinity not removed by rinsing. If the souring operation is omitted, particularly on starched work, the garments may become yellow when ironed.

Sours in common use are either acid salts or weak acids. The sour operation should be run at least 2 minutes and preferably 3 minutes at a level lower than that used for the suds. Cold water is ordinarily used. Do not rinse after the sour bath.

Blueing: The main reason for using blue is to counteract the tendency of cottons to turn yellow from age and the accumulation of impurities. There are three types of blues used in laundering: (a) sour blue, (b) combination blue and (c) non-sour blue.

Sour blue is used in the sour bath or in a following bath that is on the acid side of the pH scale. It may be added to the wheel before souring but for proper color development sour should be included in the same bath. If this method is used thorough rinsing must precede blueing, otherwise ironing will bring out a pinkish hue in the fabric.

Combination blue is designed for use in either a sour or alkaline bath and gives a blue tint.

Least often used in the laundry is the non-sour blue, since modern plants do use sour. This type gives the fabrics a green-blue tint.

In order to obtain even blueing a high level of cold water should be used. The normal running time is about 3 minutes and the amount used depends upon individual preference. The blue solution should be added as the cylinder revolves *toward* the operator to assure even dispersal throughout the load.

Starching: The use of all-cooked starch for sizing shirts in the wheel is recommended because cooked starch gives work a better feel and finish, more uniform results and less is required than if starch is used raw.

Prepare the thin-boiling, noncongealing starch on the basis of 8 oz. per finished gallon—the thick-boiling starch on basis of 5 oz. per finished gallon.

The following table shows amount of starch to use in preparing given quantities of cooked starch on the basis of either 8 oz. or 5 oz. per finished gallon:

To Make	At 8 Oz. Per Gal.	At 5 Oz. Per Gal.
10 gal.—use	5 lb.	3 lb. 2 oz.
15 gal.—use	7½ lb.	4 lb. 11 oz.
20 gal.—use	10 lb.	6 lb. 4 oz.
25 gal.—use	12½ lb.	7 lb. 13 oz.

When preparing starch, always:

1. Weigh starch and measure water accurately. Do not guess.
2. Boil starch fairly hard for at least 20 minutes, counting time from moment boiling actually starts.
3. Check valves on starch cooker to make sure they do not leak and thus cause the starch solution to thin out.
4. Keep starch cooker and all containers clean to prevent souring.
5. Do not "build up" starch. Make fresh starch each time. Adding old starch to new is false economy.

For Cottons Starching	Use a Solution of 1 part boiled starch
Light	to 7 parts water
Medium	to 5 parts water
Heavy	to 3 parts water

Lack of a starch cooker in some plants makes the use of raw starch an attractive method. The required amount of raw starch should be suspended in a bucket of water and this mixture distributed evenly over the inside cylinder while the wheel is in motion. The load is run for 10 minutes.

The procedure for starching shirts in the washwheel is as follows:

1. Use a low water level.
2. Use one gallon full-strength starch to each 25 to 35 shirts—on an average 3 gallons (one 12-qt. pail) to each 100 shirts.
3. Add required amount of starch to the wheel during last rinse or blueing process, while wheel is in motion and turning toward you. Run load for a full 10 minutes.

   or

   Size in the wheel in which shirts have been washed but after washing process has been completed. Water is drained from wheel, the wheel is stopped and opened and the required amount of starch is poured directly over the shirts.
4. Increase or decrease the amount of starch used, if necessary, to meet local conditions or special requirements as to weight and body of shirt work.
5. When shirts are washed in nets figure each net as two shirts and make proper allowance for amount of starch to be used.
6. After starching, extract shirts until just a trace of water comes from the extractor. Time required will depend on speed of extractor and weight of load. Iron directly on press machine.
7. Colored shirts require 10 to 15 percent less starch than white shirts, so if washed separately, use proportionately less starch than recommended above. It is recommended, therefore, that white and colored shirts be sized separately whenever possible.

Test for Water Hardness

To perform, standard soap test solution can be obtained from water-softening supply house.

Add 3 drops of solution to 40 cc. of the water to be tested. Shake well. If water is soft, lasting suds will be formed. (About 5 minutes is considered "lasting.") If not, add another 5 drops of soap solution; shake again. If lasting suds now form, approximately 1-grain hardness is indicated. An additional grain of hardness is indicated by every additional 5 drops needed to form lasting suds. When 38 drops are needed to form lasting suds, hardness of approximately 7 grains is indicated.

Note: If both magnesium and calcium hardness are present in water, calcium is precipitated first and suds may be formed; however, the magnesium will then begin to act on the soap, breaking the suds down again.

Shirt Problem	Probable Cause
"Pinholes" in fabrics	Introduction of live steam into water in washwheel during the bleaching operation. Bleaching should be carried out at temperatures between 140° and 160° F. Increasing temperatures beyond this range increases tensile-strength loss.
Dirty buttons	Sudden changes in temperature of rinse baths. The first rinse should be the same as or slightly higher than that of the last suds. If lower temperatures are used, there may be deposition of dirt on buttons, which cool more rapidly than

Shirt Problems	Probable Cause
	the rest of the load. Temperature of succeeding rinses may be reduced but sudden changes should be avoided.
Uneven blueing	May result from overloading nets and/or washer; uneven souring; insufficient running time; using too great a concentration of blue and/or adding it to the load incorrectly.
Setting of blood stains	Too high a temperature on the break. When dealing with blood-stained garments keep the break temperature below 100° F.
Soap specks and "tattletale gray"	Redeposition of soil on the load resulting from use of hard water; washing excessively soiled clothes which cause soap to break down; or insufficient rinsing.
"Falling" suds	Excessive soil; improperly built soap; laundering in hard water, etc. Falling indicates improper cleaning. A good suds will "stand" on water surface for at least 5 minutes.
Starch turns brown	The color change occurs during the finishing operation and is often caused by excessive alkalinity of the water used in cooking starch. The higher the alkalinity of the solution, the greater the density of the starch and the more apt it is to congeal. On being heated, congealed starch will turn yellow or brown. A small amount of a safe sour may be added to each batch to remedy this condition.
Sticking starch	When starch accumulations form on press heads and cover cloths, improper cooking is nearly always the fault. Be sure to boil starch for at least 20 minutes. Always begin the process using warm, not hot, water. Sticking of starchwork may also be caused by insufficient rinsing and/or excessive souring.
Starch blisters	When starch is overcooked it becomes thin and weak; if used in this condition it tends to blister and buckle. Follow the manufacturer's cooking directions carefully. Blisters are also apt to appear on collars if the collar press operator fails to allow sufficient time for drying or if the bosom press operator accidentally sprays the finished part of the shirt while spraying the bosom.

MANAGEMENT NOTES

Wage Incentives

Purposes of wage incentives

A. To enable workers to earn larger total or "take home" pay.

B. To obtain for management sufficiently increased production to maintain or lower *unit costs.*

C. To correct wage injustices by keeping wage payments in direct proportion to output—on the principle that "no wages are too high if earned."

Main obstacles to installation and smooth operation

A. Lack of standardization of articles to be processed.

B. Dissimilarity of methods among different plants.

C. Variety in type and kind of equipment.

D. Difficulties of explaining and making clear to employees purposes and rewards of plan.

Essential preliminaries

A. Improvement in plant equipment and methods.

B. Efficient layout and workflow.

C. Measurement, by time studies or otherwise, of normal output of all types of work after putting equipment and process on improved and standardized basis.

D. Job Analysis—the analysis and listing of all tasks included in any specific job.

E. Job Evaluation—establishing relative values of different jobs in drycleaning plant.

F. Selection of personnel.

G. Aptitude testing.

H. Training.

I. Setting up of organization chart, clearly defining lines of authority and responsibility.

J. Preparation, in written form, of standard practices and methods.

Further details of preliminaries

A. Improvement of methods based on type and grade of service.

Examples: Base price 49 cents—high production standards in finishing and packing.

Modified inspection.

Base price $1.50—lower production standards.

Rigid inspection to maintain high quality workmanship, finishing, packaging. Greater emphasis on employee selection, individual skills.

Both quality and quantity standards should be clearly defined, put in writing before installation of wage incentive plan.

B. Plant layout, workflow, selection and arrangement of equipment. Developed by consideration of owner, manager, superintendent and skilled engineers either from inside plant or outside specialists.

An integral and vital part of the installation of an incentive plan is the work which the plantowner and his supervisors and engineers do to make every motion of every employee easier.

Examples: Shorten distance from which presser must reach for work and extend arm to hang finished garment on line. If press head suddenly tightens up, extra foot-pound of pressure required to bring it down mounts up to tons of extra effort if repeated all day long.

Five-foot girl who must hang garments on rack made for five-foot-six employee has exerted hundreds of foot-pounds of additional lift at end of day. Prompt provision of platform on which bagger or assembler may work will increase output, prevent dissatisfaction. *Continued on page 112*

Cost Percentages for the Year 1957

Analysis of Percentage Costs According to Sales Volume

Annual Sales—$	Under 25,000	25,001 to 40,000	40,001 to 60,000	60,001 to 80,000	80,001 to 100,000	100,001 to 150,000	150,001 to 300,000	Over 300,000
No. of Plants Reporting	22	32	31	36	42	32	30	26
Average Base Price	$1.15	$1.32	$1.33	$1.34	$1.43	$1.30	$1.46	$1.41
SALES DISTRIBUTION	%	%	%	%	%	%	%	%
Call & Delivery	23.38	43.36	38.34	45.91	43.03	56.93	55.55	50.16
Branch Stores & Agencies	4.81	2.59	7.57	16.03	10.91	15.21	10.92	34.29
Plant Retail	71.81	48.53	51.05	36.69	42.56	27.03	32.74	14.85
Wholesale Work	—	5.52	3.04	1.37	3.50	.83	.79	.70
TOTAL SALES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTIVE EXPENSE								
Productive Labor & Outside Work	30.80	33.69	33.93	31.91	34.80	28.28	29.47	29.73
Productive Supplies	9.41	9.53	8.66	9.30	8.21	9.05	8.07	8.30
Power Plant	7.62	5.24	4.91	4.89	3.92	4.10	3.31	2.94
Building Overhead	6.64	5.63	4.14	3.34	3.82	3.40	4.16	2.75
Machinery Overhead	8.26	4.32	4.78	4.37	4.21	4.82	3.78	4.45
Indirect Overhead	2.13	3.81	4.53	5.43	4.84	6.54	6.07	7.26
TOTAL PRODUCTIVE EX.	64.86	62.22	60.95	59.24	59.80	56.19	54.86	55.43
SALES & DISTRIBUTION								
Delivery:								
Wages & Commissions	1.97	5.20	6.59	8.33	7.40	9.90	11.23	12.86
% of Delivery Volume	(8.43)	(11.99)	(17.19)	(18.14)	(17.20)	(17.39)	(20.22)	(25.64)
Delivery Equipment Expense	1.89	2.55	3.29	3.17	3.66	3.54	3.99	3.80
% of Delivery Volume	(8.08)	(5.88)	(8.58)	(6.90)	(8.51)	(6.22)	(7.18)	(7.58)
Store Salaries & Expense	3.27	2.47	2.79	5.25	4.55	5.67	5.18	6.07
% of Store Volume	(4.27)	(4.83)	(4.76)	(9.96)	(8.51)	(13.42)	(11.86)	(12.35)
Sales Promotion & Expense	1.27	2.17	3.54	2.66	2.89	3.31	4.16	4.48
Claims Adjustment	.08	.13	.26	.35	.26	.73	.49	.70
TOTAL SALES & DIST.	8.48	12.52	16.47	19.76	18.76	23.15	25.05	27.91
OFFICE & ADMINISTRATIVE								
Office Salaries & Expense	1.16	1.42	3.77	3.94	3.86	4.01	4.75	5.24
Other Expense (Off. & Adm.)	1.02	.98	2.04	1.88	1.50	2.41	2.13	2.09
EXECUTIVE SALARIES	8.04	5.50	5.07	5.96	5.42	5.81	5.87	3.71
TOTAL OFFICE & ADMIN.	10.22	7.90	10.88	11.78	10.78	12.23	12.75	11.04
Total Expense	83.56	82.64	88.30	90.78	89.34	91.57	92.66	94.38
Net Profit Before Taxes	16.44	17.36	11.70	9.22	10.66	8.43	7.34	5.62

Source—National Institute of Drycleaning

Continued from page 111

If each task and motion is made easier, it is possible to improve quality while greatly increasing speed of production.

C. Time studies, or measurement of output at normal speed, made with quality standards already established in mind.

D. Job Analysis. Prepared with cooperation of supervisors and workers.

E. Job Evaluation. Preparation with cooperation of supervisors and workers. Essential for establishment of basic wage rates.

Based on (1) Physical qualifications and working conditions.
(2) Mental qualifications and education.
(3) Specific job skill and related experience.
(4) Responsibilities and personality traits.

Example: Janitor—in many plants most important of non-executive workers, with possible exception of spotters and silk finishers. Greater responsibilities, broader variety of duties than assembler. On other hand, assembler requires clerical ability, more accurate recognition of figures, letters and handwriting than janitor. Wool presser might be illiterate—need only count own output. But janitor must read and understand notes left for him by plant manager, superintendent and others.

F. and G. Aptitude testing necessitated by failure of many employees to recognize own natural abilities.

Examples: Employee who cannot remember four-digit number for one minute unsuited to assembling.

Employee inaccurate in counting and recording numbers, figures and classifications unfitted for the job of marker. Articulate, persuasive, intelligent, sensitive employee unhappy and possibly promoter of discontent on repetitive job; on sales force or otherwise dealing with public may be of great value to employer and personally contented.

H. Training supplemented by definite upgrading program. Most employees work more contentedly and with better results if entire organization operates on principle of promoting capable people as rapidly as possible.

Establishment of rates under wage incentive plan

1. Base wage rate based on established normal output—basic task which employer has right to expect and which employee has duty to perform.

Base rate usually paid if employee regularly averages 75, 80 or 85 percent of normal output.

Sectional Analysis of Percentage Costs for the Year 1957

Geographical Area	I New England	II Middle Atlantic	III E. N. Central	IV W. N. Central	V South Atlantic	VI E. S. Central	VII W. S. Central	VIII Mountain	IX Pacific	1957 Average	1956 Average
No. Plants Reporting	11	29	59	44	38	11	20	13	26	251	299
Average Base Price	$1.42	$1.43	$1.44	$1.33	$1.09	$1.09	$1.24	$1.44	$1.54	$1.34	$1.34
SALES DISTRIBUTION											
Call & Delivery	49.20	44.49	55.15	51.53	52.71	29.48	25.50	33.76	34.78	45.95	45.96
Branch Stores & Agencies	8.32	24.71	12.09	11.60	8.84	17.03	18.71	8.57	12.04	13.36	13.57
Plant Retail	41.10	27.17	29.26	36.08	37.77	52.02	55.79	57.67	49.43	38.69	35.92
Wholesale Work	1.38	3.63	3.50	.79	.68	1.47	—		3.75	2.00	4.55
TOTAL SALES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTIVE EXPENSE											
Prod. Labor & Outside Work	33.05	31.14	31.12	31.33	29.24	29.06	30.40	37.75	37.28	31.79	31.81
Productive Supplies	8.67	9.00	8.80	8.49	9.73	9.33	9.73	8.96	6.74	8.80	9.00
Power Plant	5.47	4.47	5.14	4.58	5.01	3.75	3.63	4.83	2.82	4.52	4.76
Building Overhead	4.55	3.28	4.15	4.83	3.45	4.63	3.76	4.33	4.80	4.15	3.75
Machinery Overhead	4.58	3.86	4.42	4.24	5.67	4.50	6.40	5.15	4.48	4.72	4.88
Indirect Overhead	5.62	6.21	5.26	4.82	4.10	5.59	5.30	4.69	5.35	5.13	5.04
TOTAL PRODUCTIVE EX.	61.94	57.96	58.89	58.29	57.20	56.86	59.22	65.71	61.47	59.11	59.24
SALES & DISTRIBUTION											
Delivery:											
Wages & Commission	7.02	10.49	8.60	6.11	10.04	5.39	6.31	6.85	7.94	8.05	7.80
% Delivery Volume	(14.27)	(23.58)	(15.59)	(11.86)	(19.05)	(18.28)	(24.75)	(20.29)	(22.83)	(17.52)	(16.97)
Delivery Equipment Expense	3.93	3.75	3.04	2.99	3.63	3.12	2.98	3.81	3.34	3.31	3.22
% Delivery Volume	(7.99)	(8.43)	(5.51)	(5.80)	(6.89)	(10.58)	(11.69)	(11.29)	(9.60)	(7.20)	(7.01)
Store Salaries & Expense	5.40	6.47	3.75	4.65	3.32	5.89	5.66	.90	3.82	4.33	4.97
% Store Volume	(10.93)	(12.47)	(9.07)	(9.75)	(7.12)	(8.53)	(7.60)	(1.36)	(6.21)	(8.32)	(10.04)
Sales Promotion Expense	2.30	3.08	2.98	3.79	2.60	2.63	2.90	4.21	3.45	3.14	2.88
Claim Adjustments	.21	.48	.31	.24	.38	.41	.55	.29	.37	.35	.39
TOTAL SALES & DIST.	18.86	24.27	18.68	17.78	19.97	17.44	18.40	16.06	18.92	19.18	19.26
OFFICE & ADMINISTRATIVE											
Office Salaries & Expense	3.73	4.23	3.11	3.29	3.30	2.44	4.46	3.21	3.77	3.48	3.42
Other Expense (Off. & Adm.)	1.99	2.05	1.67	2.70	1.53	1.34	2.37	1.71	1.73	1.94	1.85
EXECUTIVE SALARIES	7.07	5.06	5.52	5.00	6.80	8.42	6.18	3.40	4.02	5.55	5.86
TOTAL OFFICE & ADMIN.	12.79	11.34	10.30	10.99	11.63	12.20	13.01	8.32	9.52	10.97	11.13
Total Expense	93.59	93.57	87.87	87.06	88.80	86.50	90.63	90.09	89.91	89.26	89.63
Net Profit Before Taxes	6.41	6.43	12.13	12.94	11.20	13.50	9.37	9.91	10.09	10.74	10.37

Source—National Institute of Drycleaning

Section I: New England—Conn., Maine, Mass., N. H., R. I., Vt.
Section II: Middle Atlantic—N. J., N. Y., Pa.
Section III: East North Central—Ill., Ind., Mich., Ohio, Wis.
Section IV: West North Central—Iowa, Kans., Minn., Mo., Neb., N. D., S. D.
Section V: South Atlantic—Del., D. C., Fla., Ga., Md., N. C., S. C., Va., W. Va.
Section VI: East South Central—Ala., Ky., Miss., Tenn.
Section VII: West South Central—Ark., La., Okla., Tex.
Section VIII: Mountain—Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo.
Section IX: Pacific—Cal., Ore., Wash.

2. Bonus, in addition to base wage rate, for production in excess of basic performance rate.

a. Payment of graduated bonus, beginning with small bonus when about 85 percent of standard is reached, bonus rate increasing until it reaches top limit of production.

Example: If wool pressers can easily press 10 suits per hour, that becomes basic performance rate. Most plans would begin to pay small bonus at about 8½ suits per hour, with bonus rate increasing as production goes above 10 per hour until it reaches top production rate at which drycleaner may safely operate without deterioration of quality.

b. Controversial alternative—proportionate payments per unit of production all through incentive setup.

Example: If presser receives 60 cents per hour and his task or performance rate is 10 suits per hour, labor cost is 6 cents per suit. But if by installation of new and better equipment, presser is enabled to turn out 15 suits per hour of equivalent quality and with no more physical exertion, plantowner-investor should have reward for providing those facilities.

Arguments in such cases can usually be resolved to satisfaction of all parties by employment of outside industrial engineer with good reputation in field.

3. Establishment of production limit to protect standards of quality.

4. Merit rating. Differences in basic rate based on employee's day-to-day performance, attendance, cooperativeness or general attitude, and other pertinent factors, tangible and intangible. Records to be kept on form obtainable from any industrial engineering firm. Periodic review at regular intervals.

Administration of wage incentive plan

1. Record keeping. Complete facilities essential for recording of employee output.

a. Frequent recording of individual production—at least once per hour; many plants record production every half hour.

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b. Accessibility. Records easily seen and checked by employee.

2. Supervision. Operation of plan places much greater burden on supervisors. Supervision must be constant, tactful, firm, alert for improvement of working conditions and equipment.

The secret of successful wage incentive plan operation is constant vigilance.

Benefits of wage incentive system

Most employees, especially on repetitive jobs, work at about 66 percent of their actual capacity. If they are brought up to 100 percent of their own abilities, and if they and their employers benefit proportionately, this will amount to a 50 percent increase in output.

The difference between drycleaning *plants* and the neighborhood press shops or tailor shops consists in the utilization of machines by the plantowner. Therefore, under the wage incentive system the drycleaning plant operator gets an extra benefit from the fact that his machines as well as his employees are used at more nearly their standards of capacity.

Actually, however, when bonuses are paid for extra production and these bonuses are graduated to pay slightly more per unit above 100 percent, the result from the better employees is usually an output approximately 120 percent of capacity. On such a regular premium production, the employee can often increase his earnings by 25 percent or more.

The whole purpose of the wage incentive plan is to encourage and pay the employee for working steadily at his or her best (yet comfortable) rate of work. In fact, the chief reward to the plantowner in the establishment of wage incentives is to obtain a standard hour's production from his employees each hour of the day. If that aim only is achieved, it is well worth all of the expense, paper work and supervision required.

Effects of Price Changes

The whole subject of price is highly controversial, but there can be no argument with the axiom, "Look before you cut."

Neither of the two price charts given here reflects the situation in any specific cleaning plant. The tables have been prepared merely to show the effects of changed prices under certain assumed conditions. In this respect the information is applicable from a theoretical viewpoint to any plant in the country.

Price chart 1

Most cleaning plants are laid out to produce a certain number of pieces or pounds per week regardless of price charged. The first table reflects the results of reduced prices in a plant equipped to handle 1,000 pieces per week at prices averaging $1 per piece.

This "base situation" is recorded in the first line. Column A sets up the various assumed piece prices. Column B reads 1,000 pieces all the way through since the plant is operating at full capacity irrespective of retail charges. Column C reveals the plant's reduced income in dollars while Column D shows identical reductions in percentages. Columns E, F and G point out how reduced prices swell productive labor costs with three different percentages taken as the base.

It is assumed that both quality and wage rates remain stationary. Under these circumstances, if an operator has a productive labor cost of 30 percent at $1 prices, he pays out 30 cents to produce each piece. Furthermore, he continues to pay 30 cents per piece no matter what he charges the

Price Chart 1

A	B	C	D	E	F	G
Price per piece	Pieces per week	Sales per week	% Decrease in weekly sales below $1 prices	If productive payroll is now 25%	30%	35%
				At reduced prices productive payroll will become		
$1.00	1,000	$1,000	....	25.0%	30.0%	35.0%
.90	1,000	900	10%	27.7%	33.3%	38.8%
.80	1,000	800	20%	31.2%	37.5%	43.5%
.70	1,000	700	30%	35.7%	42.5%	50.0%
.60	1,000	600	40%	40.6%	50.0%	58.3%
.50	1,000	500	50%	50.0%	60.0%	70.0%

Price Chart 2

A	B	C	D	E	F	G	H	I
Price per piece	Weekly sales in dollars	Pieces per week	Percentage of increase in pieces above 1,000	Man-hours required	If productive payroll is now 25%	30%	35%	Percentage of costs to be allotted to supplies
					At reduced prices productive payroll will become			
$1.00	$1,000	1,000	.....	300.0	25.0%	30.0%	35.0%	7.0%
.90	1,000	1,112	11.2%	333.6	27.8%	33.3%	38.9%	7.7%
.80	1,000	1,250	25.0%	375.0	31.2%	37.5%	43.7%	8.7%
.70	1,000	1,429	42.9%	428.7	40.7%	42.8%	50.0%	10.0%
.60	1,000	1,667	66.7%	500.0	41.6%	50.0%	58.3%	11.6%
.50	1,000	2,000	100.0%	600.0	50.0%	60.0%	70.0%	14.0%

customer. While the actual lump sum in dollars paid out each week is the same in every case, the labor cost mounts percentage-wise in relation to the decreasing cash coming in.

Price chart 2

Approaching reduced prices from a different viewpoint, the second table shows the possible effects of attempting a uniform dollar volume at lowered prices per piece.

Line one, again, is the base—a plant handling 1,000 pieces per week at an average retail charge of $1 per piece. Column A establishes the assumed prices. Column B is the same in every case since the table is set up on the assumption that an attempt is being made to maintain weekly income at $1,000. Column C reports the increasing number of pieces needed to retain the same volume in sales.

Column D interprets increased prices required in terms of percentages. Note that while a drop from $1 per piece to 80 cents per piece is a cut of only 20 percent in price, the added number of pieces needed is rated at 25 percent. This is explained by the fact that, while additional pieces are being brought in to maintain $1,000 weekly sales at reduced prices, all of this new business produces 20 cents per piece less than do pieces selling at $1. Consequently, the percentage necessary in increased orders will always be greater than the actual percentage of the price cut. Finally, as shown in the last line, a 50 percent reduction in price demands a 100 percent rise in the number of pieces.

Column E records the number of man-hours required to produce certain dollar volumes at various piece prices. Columns F, G and H show the effect on the productive payroll.

Column I reports the percentages of costs which must be allotted for supplies to process the heightened piece volume while dollar volume remains fixed. Here, again, it is supposed that quality of the work and wage rates do not fall off with declining prices.

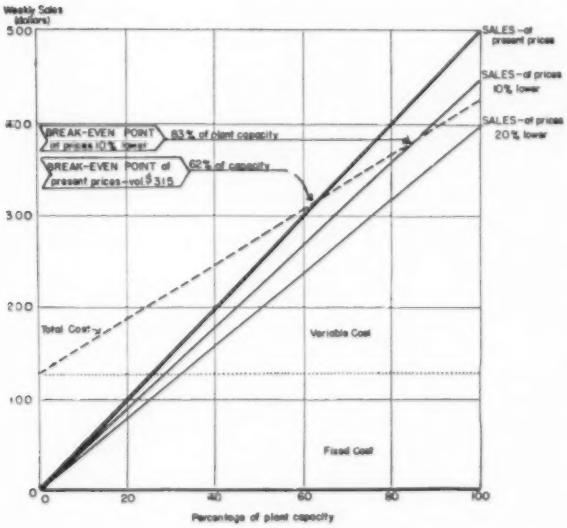
It is further assumed that the plant produces 1,000 pieces per week at maximum efficiency. Consequently, the increased pieces required can be processed only by hiring new help. In this case, the actual amount paid out to labor climbs while the number of dollars received from the customers remains fixed.

Break-Even Charts

A cut in prices can be a risky proposition. A break-even chart shows how much additional volume a price reduction must bring in to keep a plant in the black. The sample chart shows that a 10 percent price cut for this small cleaner would require a volume equal to 83 percent of his plant capacity to break even, whereas only 62 percent capacity was required at the former price level.

To make your own chart you must know:

1. Physical capacity of your plant.
2. Potential sales income at capacity operation.
3. Amount of fixed costs (costs which do not fluctuate with volume, such as rent, insurance, depreciation, taxes, executive, supervisors' and office salaries, etc.).
4. Ratio of variable costs (costs which vary according to volume being processed) to sales income, expressed as a percentage.



Cut price cuts profits according to break-even chart showing effect on profits of 10-percent cut across the board as compared to 20-percent cut. The 20-percent cut pushes the break-even point above plant capacity! Remember "plant capacity" means pounds or pieces plant can handle. If another cost line were drawn from 100 at left and parallel to broken line, it would represent 20 percent reduction in cost, which would be a fantastic achievement. Yet it would intersect the sales line (at 20-percent price reduction) exactly at the edge representing plant capacity, indicating that the plant still would only break even

Then a chart is ruled off, as shown, with dollar sales on the vertical axis, percentage of plant capacity on the horizontal. At 100 percent capacity the small plant for which the break-even chart is illustrated can handle $500 weekly. The heavy diagonal sales line drawn from corner to corner makes it possible to translate sales into capacity (or the reverse) at any one point on the line.

Fixed costs amount to $125, so a dotted line indicating fixed costs was drawn straight across the graph from the $125 point on the dollar sales axis. Variable costs amount to 60 percent of sales volume, so at 100 percent capacity they would total $300. Our total cost at full capacity is $300 plus $125. The dash line on the chart represents this cost.

The intersection of the total sales line and the dash line is the break-even point, which works out to be $315 or 62 percent of capacity.

If the operator were to cut prices 10 percent across the board, the break-even point would move up to $373.50, or 83 percent of capacity. A 20 percent cut in prices would clearly make it impossible for the plant to break even without increasing capacity or drastically lowering fixed costs.

A good break-even chart will also indicate profits. Profit on the chart is the distance between the total cost and sales lines above the break-even point. If we assume that the plant represented by this chart is doing $400 a week at present prices, its profit (difference between cost and sales) would be about $33. If it operated at full capacity with a 10 percent price cut, weekly profit would amount to less than $20.

Volume-Profit Relationship

WHAT COUNTS at the end of the year are the actual dollars in your pocket, regardless of what percentage of sales or invested capital they represent. That's what a man has to live on and have fun on. Percentages tell him how efficient his operations are, which only makes him mad.

The table given here shows how profit percentages must

change on a fluctuating volume to enable a plantowner to maintain a steady dollar income. If his volume is dropping it indicates the point at which he must hold his costs. With increasing volume it tells how much his costs may be permitted to increase and still provide him with the same number of dollars at the end of the year.

Percentage increase or decrease in volume	Profit percentage necessary to hold dollar income	
	A	B
150	9.5	4.9
140	10.3	5.2
130	11.1	6.1
120	12.2	6.9
100 starting point	15.0	7.5
90	17.0	8.2
80	19.5	9.5
70	23.0	11.0
60	27.7	13.2
50	35.3	16.3

In this chart two percentages (15 percent and 7½ percent) were selected merely as examples of the effects of volume changes on the profit. If the dollar profit equals 15 percent of the current volume then Column A shows the decrease in percentage to total volume that this dollar volume represents as the dollar volume increases. Likewise, it shows the increase in percentage of sales represented by this dollar profit when total sales decrease. If the current profit equals 7½ percent of sales, a similar relationship is indicated in Column B.

For those who wish to toy with such figures, here is the formula for estimating percentages of sales necessary to maintain dollar profits:

1. Set down percent of sales at start as decimal	0.15
2. Add number 1 (1 plus .15)	1.15
3. Multiply by percentage change in volume (10% = .10)	0.115
4. Subtract from number 1 (1 − .115) if volume decreased	0.885
5. Divide into starting percentage (.15 ÷ .885) or 17 percent profit to be maintained	0.17
4. If volume increased, add .115 to number 1	1.115
5. Divide into starting percentage (.15 ÷ 1.115) or 12.2 percent to be maintained	0.122

Initial Supplies

THE FOLLOWING LIST represents the minimum initial supplies required by the new drycleaner who is opening his own plant. Based on the recommendations of one of the country's largest jobbers, quantities are kept low in every case to reduce the original investment.

Cleaning Room

Charged soap	30 gallons
Filter aids (diatomaceous earth and/or sweeteners)	200 pounds
Activated carbon	25 pounds
14-quart pails	2
Bristle benzene-soap brushes (for prespotting and handbrushing with dry solvent)	2
Soap strength test kit	1
Fatty acid test kit	1

Wetcleaning Supplies

Bristle brushes, approximately 2 by 5 inches	2
Scouring brush	1
Wetcleaning soap	25 pounds
Hydrosulfite of soda	1 pound
Drycleaning sour	10 pounds

Spotting Aids

Ammonia, 26°	1 gallon
Acetic acid, 28 percent	1 gallon
Glacial acetic acid	1 quart
Oxalic acid crystals	5 pounds
Sodium perborate	5 pounds
Borax	10 pounds
Permanganate of potash	1 pound
Bisulfite of sodium	5 pounds
Standard paint and grease remover	2 gallons
Standard prespotter	2 gallons
Standard ink remover	1 pint
Standard digester	½ pound
Standard lipstick and rouge remover	1 pint
Amyl acetate	1 quart
Combination wet and dry spotter	1 gallon
Eye-dropper bottles	6
Spotting brushes, black and white	1 each
Spatulas (bone scraper)	2
Rust remover (in tube or rubber bottle)	1
Hydrogen peroxide (10 vols. 3 percent)	8 ounces
Cheesecloth	10 yards
Chamois	1
Turkish towels	1 dozen
Spray gun (either compressed air or city water pressure)	1

Finishing Department

Press flannels, cut to size	6
Press pads, cut to size	6
Press pad covers	18
Cover springs	6 cards
Spray guns for presses	2
Stapling machine	1
Staples	5,000
Record Book No. 39	1
Standard sales or receipt books	50
Moth spray	1 gallon
Paradichlorobenzene crystals	5 pounds

Packaging Supplies

Hangers	3,000
Garment bags (suit—36 inches)	1,500
Garment bags (dress—54 inches)	1,500
Mothproof bags (suit)	100
Mothproof blanket bags	100
Dress shields (for hangers)	2,000
Trouser guards	3,000
Pins, common	1 pound
Pins, safety No. 1	20 gross
Pins, safety No. 2	5 gross
Pins, safety No. 3	5 gross
Tags	10,000
Necktie envelopes, boards and bands	200 each
Glove bags	1,000
Hat bags	1,000
Cotton twine	10 pounds
Cellophane ribbon	1 roll
Wrapping paper, 30-inch	1 roll
Wrapping paper, 36-inch	1 roll
Gummed tape	2 rolls
Scotch tape	2 rolls
Paper cutter	1
Scotch-tape dispenser	1

After acquiring experience with various brands and types of products, the young drycleaner will be in a better position to gain the benefits of buying in quantity. The supplies listed here are entirely adequate aiming for an early volume of $300 to $500 a week.

Sample Production Standards

PRODUCTION ESTIMATES are essential in deciding how much equipment to purchase and how many people to employ, and in setting up an efficient layout.

The accompanying table is an average of figures taken from a number of plants. As such the figures should be considered *only as tentative production standards.*

Plant standards vary in terms of quality, type of equipment, layout, level of skilled help, management efficiency and other phases of production. For that reason it is difficult to set a standard of production applicable to all plants. However, management should not hesitate to use the table as a guide to intelligent production planning.

A good example of the effect equipment has on production can be seen in the drycleaning room estimate. This runs from 60 to 263 pounds. The wide spread, in this case, is due to different capacities of drycleaning rooms.

Another example of wide spreads is in the listing, "jackets, wool, ladies', touch-up." The spread, 30 to 90 pieces, reflects the varying quality standards of different plants. On the one side the touch-up would be taking longer than the steaming, whereas by giving the slightest touch-up possible, one girl can handle volume for two steamers with ease.

OPERATION	ESTIMATED PRODUCTION
Marking	145–150
Marking and invoicing	50–60
Classification	167
Inspection	250
Assembly	120
Bagging and shipping	100
Inspection, assembly, bagging and shipping	28
Drycleaning	60–263
Wetcleaning	15–25
Silk spotting	17–27
Wool spotting	80–110
Free sewing	10–47
Measuring garments	20–34
Stretching dresses	20–25
Stretching trousers	30
Silk pressing, plain dresses	10
Wool pressing, dresses	15
Wool pressing, suits	8
Dresses, silk, plain; steamer, puff irons, press	22
Dresses, silk, to 8 pleats; sleever, puff iron, press	11–13
Dresses, silk, as they come; hand	6
Dresses, as they come	12
Dresses, silk, under 9 pleats; machine	7–12
Dresses, silk, over 8 pleats; machine	4
Dresses, silk, puff irons, press, hand iron	28–32
Dresses, silk, plain, wetcleaned; hand	6
Dresses, silk, fancy, wetcleaned; hand	4
Dresses, silk, sunburst	4
Dresses, silk, children's plain or fancy	9–11
Evening and dinner gowns, plain, silk	2–7
Evening gowns and wedding dresses, fancy, silk	1–4
Dresses, wool, plain or pleated; machine	21
Dresses, wool, plain or pleated; steamer, utility	21
Dresses, wool, under 9 pleats; hand	11–17
Dresses, wool, over 8 pleats; hand	7
Skirts, silk, to 8 pleats; machine	17–33
Skirts, silk, over 8 pleats; machine	11–13
Skirts, silk, plain; machine	33–40
Skirts, silk, to 18 pleats	20
Skirts, silk, 18 pleats or sunburst	3–6
Skirts, wool, to 8 pleats	20
Skirts, wool, over 8 pleats	10–12
Blouses, silk, plain	13–25
Blouses, silk, fancy	5–17
Blouses, silk, plain; hand	6–10
Blouses, silk, fancy; hand	4–7
Jackets, silk, plain	25–26
Jackets, silk, fancy	14
Jackets, boleros, silk	15–20
Jackets, silk; hand	8–17
Jackets, wool, ladies'	19–30
Jackets, wool, ladies'; steamer	41–45
Jackets, wool, ladies'; touch-up	30–90
Jackets, canvas	6

OPERATION	ESTIMATED PRODUCTION
Trousers, wool; machine	21
Trousers, wool; topper	30–50
Trousers, wool; legger	36–50
Trousers, wool, drycleaned	17–40
Trousers, wool, wetcleaned	11
Trousers, wool, wetcleaned, top	20–33
Trousers, wool, wetcleaned, leg	33
Slacks, silk, top	20
Slacks, silk, leg	20
Slacks, wool, ladies', top	40
Slacks, wool, ladies', leg	28
Suit coats; steamer, touch-up	17
Suit coats; machine	13–35
Vests	35–100
Top and overcoats; machine	13–36
Top and overcoats; steamer	30–67
Top and overcoats; touch-up	40–67
Raincoats and reversibles	5–20
Shirts, silk	9–17
Shirts, men's sports	12–22
Shirts, silk, ladies'	20
Shirts, long-sleeve; hand	4
Shirts, short-sleeve; hand	6
Shirts, plain	13–20
Shirts, wetcleaned	10
Sweaters	25–46
Scarfs, as they come	33–50
Ties, as they come	56–60
Belts, silk	75–90
Belts, wool	90–100
Robes, quilted	5–6
Robes, plain, and housecoats	11–13
Slips	15–20
Bathrobes, wool	12–20
Hats, caps	50
Sleeves; steamed	40
Mixed wools	20
Snowsuit jackets	20
Snowsuit legging	30
Snowsuits, one-piece	12
Children's knickers, leggings	25–33
Breeches	33
Suit-coat linings; machine	56–100
Suit-coat linings; hand	31–35
Trousers, pockets and seams, wetcleaned	36–50
Vest linings	52–100
Coats, half-lined, wetcleaned	25
Coats, full-lined	18
Jacket linings, ladies'	21
Coat linings, children's, as they come	27
Topcoat linings, men's; hand	27
Coat linings, women's; hand	14–25
Suit-coat linings, women's; hand	30
Coat linings, women's; machine	26
Coat linings; steamer and sleever	25–26
Jacket sleeve linings, women's	75
Linings, loose	46
Linings; machine	50
Open seams and press pockets	29–32
Uniform, dress, top; hand	9
Uniform, dress, bottom; machine	35
Ski jackets, gabardine, lined	10
Choir gowns	10
Tiebacks	100
Valances	9
Drapes, per panel	16–25
Drapes, unlined	15
Davenport covers	5–7
Chair covers	6–9
Cushion covers	33–45
Bedspreads	10
Curtains, per panel	22–23
Curtains, ruffled	9–10
Tablecloths, lace	10–33
Comforters, blankets	10–33
Scatter rugs, scarfs	33

FABRICS

SYNTHETIC FIBERS

CHARACTERISTICS

		COMPOSITION	MANUFACTURERS	END PRODUCTS	BURNING TESTS	SOLVENT TESTS
Acrylic fibers	ACRILAN	Coal, limestone, petroleum, natural gas, water and air	The Chemstrand Corp.	Suits, dresses, socks, playsuits, sport shirts, infants' wear, blankets and furlike linings for coats	Melts and burns with smoky yellow flame, leaving hard black bead	Not affected
	DYNEL	Natural gas, air, salt, water and limestone	Union Carbide Corp.	Suits, dresses, socks, underwear, blankets and pile fabrics. Drapes and industrial garments where resistance to acids is important	Will not support combustion; but shrinks, hardens and becomes black and brittle	Dissolves in 100% acetone, but not as rapidly as acetate. Gets tacky in seconds
	ORLON	Coal, limestone, petroleum, natural gas, water and air	Du Pont Co.	Overcoats, suits, dresses, sweaters, shirts, blouses, socks, curtains and drapes	Melts and burns, leaving hard black bead	Not affected
	CRESLAN	Coal, limestone, petroleum, natural gas, water and air	American Cyanamid	Woven garments, knitted underwear and outerwear, home furnishings	Melts and burns, leaving hard black bead	Not affected by glacial acetic acid, chloroform, acetone or 88% formic acid
	VEREL	Natural gas, air, salt, water and limestone	Eastman Chemical Products, Inc.	Sweaters (in blends with other fibers)	Melts, does not burn, forms black bead	Dissolves in warm acetone
Dinitrile	DARVAN (formerly Darlan)	Coal, limestone, petroleum, natural gas, water and air	B. F. Goodrich Chemical Co.	Deep-pile fabrics, knit-wear, industrial	Melts and burns, leaving hard black bead	Generally insoluble. Not affected by acetone at room temperature
Nitrile Alloy	ZEFRAN	Coal, limestone, petroleum, natural gas, water and air	Dow Chemical Co.	Suits, dresses, sportswear, knit-wear, raincoats, outerwear, blankets, carpeting, pile fabrics, industrial	Melts and burns, leaving hard black bead	Not affected
Fluorocarbon	TEFLON	Natural gas, air, salt, water and limestone	Du Pont Co.	Industrial uses where resistance to corrosion is important	Does not burn	Not affected
Polyester	DACRON	Petroleum, natural gas, air and water	Du Pont Co.	Suits, dresses, ties, shirts, sweaters, socks and upholstery	Melts and burns, leaving light-colored bead	Not affected
	KODEL		Eastman Chemical Products, Inc.	Used in blends with other fibers for wash-and-wear shirts, shorts, slacks, suits, dresses, etc.	Melts and burns leaving hard, light-colored bead	Good resistance to common solvents and cleaning agents
Polyamide	NYLON	Coal, air, water, petroleum, corncobs, cottonseed hulls and natural gas	Du Pont Co. The Chemstrand Corp. Allied Chemical & Dye Corp. American Enka Corp.	Hosiery, lingerie, sport clothes, socks, dresses, suits, curtains, sweaters, drapes, upholstery	Melts and burns, leaving light-colored ash	Dissolves in concentrated formic acid and xylenol
Vinyl	SARAN VELON VINYON HH	Petroleum and salt	The Saran Yarns Co. Dow Chemical Co. Firestone Tire and Rubber Co. American Viscose Corp.	Carpets, draperies, curtains and upholstery fabrics	Melts, does not burn, leaves dark bead	
Mineral	FIBER GLASS	Sand, lime, borax and clay	Owens-Corning Fiberglas Corp. Pittsburgh Plate Glass Libbey-Owens-Ford Glass Glass Fibers, Inc.	Carpets, draperies, shower curtains and casement cloths	Forms molten bead which can be pulled from fabric. Bead in flame becomes red hot	Rust remover will dissolve it

SYNTHETIC FIBERS

METHODS OF HANDLING

MAY BE TREATED AS	DRYCLEANING	WETCLEANING	SPOTTING	SATISFACTORY IRONING TEMP.	FINISHING
Orlon, Dacron	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	275° F	Use heat-reducing press plate
	Withstands usual drycleaning processes. Do not tumble. Attracts grease in load	Withstands usual wetcleaning processes	Dissolves in acetone but this is rarely used in spotting	Not safe	Avoid stiffening and fusing by pressing on gridhead press, finishing on covered puff irons. Extremely sensitive to heat; Dynel fleece: Do not steam and brush at same time; flattens nap
Acrilan, Dacron	Withstands usual drycleaning processes. Do not tumble fleece	Withstands usual wetcleaning processes	Not damaged by common spotting solvents. Behaves like cellulose acetate rayon	275° F	Use heat-reducing press plate
Orlon, Acrilan	Not affected	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	275° F	Use heat-reducing press plate
Dynel	Not affected	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Not safe	Use heat-reducing press plate
Orlon, Dynel	Not affected	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	275° F	Do not steam or press pile fabrics. Use heat-reducing press plate
Orlon	Not affected	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	275° F	Use heat-reducing press plate
	Not affected	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Not affected	Use grid-head press
Acrilan, Orlon	Withstands usual drycleaning processes	Withstands usual wetcleaning processes. Does not remove pleats	Not damaged by common spotting solvents	275° F	Use heat-reducing press plate
	Withstands usual drycleaning processes	Withstands usual wetcleaning processes		275° F	Use heat-reducing press plate
Acetate	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	275° F	Use heat-reducing press plate
	Not recommended: Will not stand mechanical action of washer, extractor or tumbler. **Caution:** material tends to form permanent creases when folded		Can be cleaned with damp cloth or spotted with steam gun	Not safe	Steaming on press will cause it to shrink excessively. Can't be stretched. Most items will not require finishing
	Do not dryclean. Does not withstand usual drycleaning processes	Use only minimum mechanical action. Do not wring, extract or tumble	Printed fiber glass may bleed in cleaning solvent	Not affected	No finishing is required. May be cabinet-dried

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Burning Tests for Natural Fibers

Cotton: Burns quickly, yellow flame, smolders
Ash—gray, fluffy, floats off
Odor—burning wood or paper

Linen: Burns rapidly but less rapidly than cotton, smolders longer
Ash—gray, very light and fluffy
Odor—burning wood or paper

Silk: Small flame, sizzles, burns more rapidly than wool, does not smolder
Ash—shiny black beads, readily pulverized
Odor—burning feathers

Silk, weighted: Burns slowly in flame, not after flame is removed
Ash—skeleton of weighting glows
Odor—burning feathers

Wool: Burns slowly, sputters
Ash—black, gritty, pulverizes easily
Odor—burning hair

For Synthetic Fibers

Acetate: Melts before burning
Ash—hard black ball
Odor—pungent, burning rubber

Acrilan: Melts and burns with a yellow, smoky flame
Ash—very hard black ash
Odor—acrid

Aralac: Sizzles
Ash—black bead, readily pulverized
Odor—burning hair

Dacron: Burns in short jumps, melts
Ash—very hard, cream colored
Odor—pungent

Dynel: Does not burn, melts quickly; edge shrinks back when flame is held close
Ash—hard, black
Odor—pungent

Fiber Glass: Does not burn, melts rapidly in flame
Ash—hard bead glows in flame

Nylon: Does not burn, melts in flame
Ash—light amber color bead, hard to break
Odor—sealing wax

Orlon: Melts and burns
Ash—hard black bead, sticky while warm
Odor—acrid

Rayon: Burns very rapidly, bright yellow flame
Ash—very little, gray, floats off
Odor—burning wood or paper

Vinyon: Melts before burning
Ash—brittle bead
Odor—sharp, disagreeable

Vinyon N: Does not burn but shrinks, hardens and becomes brittle

Recommended Finishing Ranges

Fiber		Temperature
Glass		550–600° F
Linen		450–500° F
Cotton Arnel		400–420° F
Wool		350–370° F
Silk Vicara		320–340° F
Acetate Acrilan Creslan Dacron Nylon Orlon Rayon Teflon Zefran		275° F Max.
Darvan Dynel Verel Vinyon	(Finish on heat-reducing press plate)	Under 250° F
Permalon Saran Velon	CANNOT be finished	

Steam-Line Sizes

Number of Presses	Size Steam Line
1-2	½ inch
3-4	¾ inch
5-6	1 inch
6-10	1¼ inches
10-14	1½ inches
14-25	2 inches

U. S. Mill Consumption of Principal Textile Fibers

	Man-made fibers			Natural fibers		
	Rayon and acetate	Non-cellulosic	Cotton	Wool	Silk	Total
1920	8.7	—	2,828.1	314.2	29.2	3,180.2
1930	119.3	—	2,610.9	263.2	75.6	3,069.0
1940	482.1	4.4	3,953.6	407.9	35.8	4,883.8
1946	875.7	53.2	4,803.3	737.5	6.5	6,476.2
1947	987.9	51.4	4,668.1	708.3	2.0	6,417.7
1948	1,149.6	71.6	4,461.2	704.5	7.4	6,394.3
1949	993.5	92.8	3,838.2	511.0	4.4	5,439.9
1950	1,351.6	140.5	4,680.1	647.0	8.4	6,827.6
1951	1,276.6	195.5	4,846.8	495.0	5.6	6,819.5
1952	1,215.5	249.1	4,437.1	477.5	6.9	6,386.1
1953	1,223.0	279.6	4,521.0	503.8	5.4	6,532.8
1954	1,154.8	328.7	4,125.2	389.9	6.4	6,005.0
1955	1,419.2	432.1	4,384.2	428.2	7.2	6,670.9
1956	1,201.1	482.9	4,339.1	454.9	7.7	6,485.7

Fundamentals of Boiler Selection

Before you order a new boiler, a responsible boiler engineer should be called in to help select the proper unit for your plant. To help you and the consultant, be sure you receive the answers to the following questions:

1. Will the boiler provide ample steam at the proper steam pressure?
2. Is the boiler safe to operate?
3. Is it efficient, so as to provide steam at minimum fuel cost and low stand-by losses?
4. Will the boiler steam quickly?
5. Is the boiler flexible?
6. Can it be installed at reasonable cost?
7. Is the boiler compact, to save space?
8. Does the boiler comply with safety ordinances, including National Board, ASME, Board of Fire Underwriters, etc.?

The boiler engineer can recommend an oil- or gas-fired packaged boiler, a water-tube or fire-tube type, centralized or decentralized and other variations. Each of the different types has advantages and disadvantages. That is why the plantowner must weigh the pros and cons for each type in consultation with the boiler expert.

Selection of the proper boiler for your needs is a small problem if you get the facts on the eight questions given above. Manufacturers of drycleaning equipment have provided us with the data on the horsepower requirements of their units. This information is listed on the next page.

Be sure to inventory every piece of equipment you plan to use. Before you add the required number of boiler horsepower units, include the estimate of heat losses, plus the stand-by losses in the boiler and a percentage for anticipated growth (usually 25 percent). If there are other heating requirements such as comfort heating, hot-water needs, dryrooms, be sure to include these figures in the total boiler horsepower needed.

Proper sizing of a boiler is exceedingly important since too small a unit will increase production and maintenance costs. We know of one cleaner who, for years, had a boiler so small that he could not distill his petroleum solvent while the plant operated. This meant that he spent a couple of nights a week running the boiler and still himself, or paying overtime to his cleaner to do this work.

What he wasted in time and fuel, as well as salary, would have paid for an adequate boiler several times over. Another thing: the small boiler produced steam of low quality and pressure because he was always pushing it. Poor workmanship on the finished product resulted, and it actually hurt his volume growth.

Today there are many plants with inadequate steam capacity. While an entirely new system may be in order, some plants are getting around the difficulty by adding another boiler to supplement their present equipment. Many manufacturers agree with this practice, since a major breakdown does not completely shut down a plant. Two units can carry the normal load with ease, and in those emergencies the plant can at least limp along until repairs are made.

When calculating boiler requirements, it is essential to plan to insulate the steam headers throughout the plant. Not only does it add to employee comfort; it saves real money.

For example, an uninsulated steam line 2 inches in diameter will lose more than 1.5 b.hp. every hour for every 100 feet it extends. Insulation will save more than three-fourths of that b.hp., otherwise lost through radiation.

Similarly, a good boiler insulation job will save you money. This can be done effectively, and at little cost, with a two-coat asbestos job wired on with chicken wire. The second coat should be troweled smooth and hard. The two coats should have a total minimum thickness of 1½ inches. There are also special boiler coverings commercially available.

Does your boiler have sufficient ventilation?

There are two points to consider for efficient operation and maximum output of your boiler. One factor involves the stack and chimney; the other, proper ventilation in the boiler room.

The chimney itself should be higher than any adjacent building and should extend at least 4 feet above a roof, parapet or bulkhead. It is better if no cap is placed on top of the chimney. But if one is used, it should be mounted at a height equal to the diameter of the chimney.

No other equipment should be attached to the same chimney, because the efficiency of both units will be reduced. If you plan to try this, be sure to consult a boiler expert beforehand. It will only work under special conditions.

The stack, that portion from the boiler to the chimney, should be as short as possible with as few bends as possible. The stack should always slant upward toward the chimney. If it is necessary to run the stack more than 6 feet, add 1 foot of chimney height for every extra 2 feet of stack. If more than two 90 degree els are used, add 1 foot of chimney height for every extra el.

Recommended Chimney Sizes

Boiler size	Chimney size
4 hp.	6″ dia. x 10 feet
6 hp.	6″ dia. x 10 feet
10 hp.	8″ dia. x 10 feet *or* 6″ dia. x 25 feet
15 hp.	10″ dia. x 10 feet *or* 8″ dia. x 25 feet
20 hp.	12″ dia. x 10 feet *or* 10″ dia. x 25 feet
25 hp.	12″ dia. x 10 feet *or* 10″ dia. x 25 feet
30 hp.	14″ dia. x 10 feet *or* 12″ dia. x 25 feet

Recommended chimney sizes for the average installation are given in the chart above.

It is most important that the boiler have sufficient ventilation. Without sufficient fresh air the fire is starved. By ventilation, we mean there must be an opening direct to the outside air, of sufficient area to provide the air needed for proper combustion.

To burn fuel properly, one square-inch opening is needed for every 3,000 B.t.u. input of fuel. Another way of saying it is that in the case of an oil-fired boiler 50 cubic feet of air per minute are required for burning fuel.

There should be a fixed opening; not a door or window

Recommended Opening Sizes

Boiler Hp.	Opening
6	10″ x 9″
10	10″ x 14″
15	10″ x 22″
20	15″ x 20″
30	20″ x 20″

because often in cold weather such openings are closed for comfort. There should be a louvered, screened opening direct to the outside.

Drycleaning plants generally add to boiler ventilation problems. Tumblers and driers take vast amounts of air. Add to this the effects of exhaust fans which further rob the boiler of vital air. They do this by creating a down draft in the chimney as they suck their air requirements. Unless sufficient outside air is brought into the boiler room it will cause rumbling, combustion noises, minor explosions at the start, sooty flame and generally unsatisfactory operation.

Most states have minimum space requirements on boiler installations. For example, in New York there must be at least 2 feet on all sides of the unit. On your presently installed unit, no doubt you are at least conforming with regulations. But on any future installations we suggest you plan for ample room around the unit. Congested installations will more than double maintenance costs.

It is wise to allow 4 feet from the chimney end of the boiler to the back wall for servicing. Wherever possible, allow room enough to remove the tubes, which are the approximate length of the boiler.

Check List for Boiler Maintenance

DAILY

1. Blow down boiler regularly. (When boiler is in service see that the blowdowns are made when steam generation is lowest.)
2. Blow down boiler level control.
3. Check lubrication on air compressor or blower.
4. Make certain boiler ignites properly.
5. Check the water level.
6. Keep the boiler room clean.

QUARTERLY

1. Inspect and clean burner.
2. Check heating surface for corrosion, pitting or scale.
3. Clean strainers ahead of traps in steam lines.
4. Examine all valves and cocks (regrind valve seats and repack stems where necessary).
5. Replace all gaskets when closing up boiler.
6. Refill boiler and check water level.

SEMIANNUALLY

1. Clean all fireside surfaces of soot deposit.
2. Drain boiler, flush internal surfaces with a pressure hose.
3. Remove all scale deposit.
4. Check tubes and replace badly pitted ones.

ANNUALLY

1. Clean fire and water sides thoroughly.
2. Check fire brickwork and replace or repair when necessary.
3. Check feedwater pump and motor alignment. Examine pump and base bolts for tightness.
4. Check water pump shaft packing.
5. Check electrical controls and terminals.
6. Replace gaskets when closing boiler.

Useful Boiler Definitions

One B.Hp. = 34.5 pounds steam per hour (from and at 212° F)
One B.Hp. = 33,472 B.t.u. per hour
One B.Hp. = 139.5 square feet E.D.R. (steam)
One square foot E.D.R. (steam) = 240 B.t.u. per hour
One square foot E.D.R. (hot water) = 150 B.t.u. per hour
One pound steam (from and at 212° F) = 970 B.t.u. per hour
One therm = 100,000 B.t.u. per hour

Courtesy Fulton Boiler Works, Inc.

Equipment Requirements in Boiler Horsepower

Equipment	Boiler Horsepower
Finishing *(Drycleaning)*	
Mushroom and topping presses	.75
Utility presses	1.50
Hothead offset presses	1.50
Legging presses	1.50
Steam irons	.25
Steam-air finishers	2.00
Three-head puff irons	.33
Four-head puff irons	.50
Bag sleevers	.50
Steam finishing boards	1.50
Finishing *(Shirts)*	
Cuff presses	.75
Yoke presses	.25
Single sleeve presses	.25
Double sleeve presses	1.25
Cabinet sleeve presses	1.25
Collar presses	.35
Body presses	1.50
Bosom presses	1.50
Cabinet bosom and body presses	1.75
Petroleum Vacuum Stills	
25 g.p.h.	1.5
50 g.p.h.	2.0
75 g.p.h.	2.6
125 g.p.h.	5.4
200 g.p.h.	8.6
Synthetic Solvent Stills	
20 g.p.h.	1.25
30 g.p.h.	2.0
50 g.p.h.	2.5
75 g.p.h.	4.0
100 g.p.h.	5.0
Petroleum Tumblers	
36" x 30"	3.0
36" x 40"	3.25
42" x 42"	4.0
Synthetic Recovery Units	
36" x 24"	.75
36" x 30"	1.00
36" x 36"	1.50
42" x 42"	2.00
Miscellaneous Equipment	
4-foot drying cabinet	2.00
Spotting board	.75
Windwhip	4.00
Pants stretcher	.75
Muck cooker	2.00

(Note: These are the requirements of each piece of equipment, regardless of whether a 1-girl, 2-girl or larger unit is considered. One manufacturer suggests that b.hp. for the complete unit be between 4½ and 5½ for each unit. All figures on presses and spotting boards are based on the use of an air vacuum system. If a steam vacuum system is used, the horsepower requirements go up at least one-half horsepower per unit. This is a definite economic reason for using air, in addition to the fact that an air vacuum arrangement provides much more flexibility in layout and workflow.)

Boiler Efficiency

The operator of the average small plant doesn't have the time or money or, in most cases, the know-how to run a series of elaborate tests and go through cumbersome tables to check on his boiler efficiency. He can and should, however, see to it that routine tests are made.

The two principal indications of boiler efficiency are carbon dioxide (CO_2) content and temperature of the flue gas. Generally speaking, the higher the CO_2 content and the lower the flue gas temperature, the more efficient the boiler. Optimum CO_2 content varies with the fuel, but it averages around 15 percent for coal and oil. With natural gas, 10 to 12 percent would be tops. Only in rare cases can the optimum be achieved at all times. If your boiler, firing coal or oil, operates with an 11 percent CO_2 and a flue gas or stack

temperature of 450 to 600° F, it will be operating at better than 75 percent efficiency.

To obtain these readings, two instruments are required. An Orsat analyzer indicates CO_2, carbon monoxide and oxygen content of the flue gas. Simpler types of Orsats measure only CO_2. The other instrument is a flue gas thermometer with a range of 400 to 1000° F. The readings should be taken when the boiler is carrying its heaviest load.

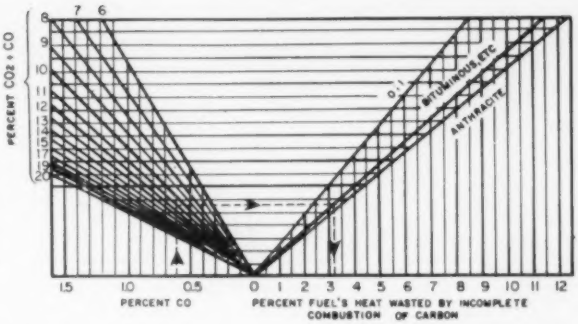
In many cases a local plumber or heating-installation man is equipped to take the required readings. Once the readings are obtained, it is merely a matter of adjusting the firing controls to gain maximum efficiency. It goes without saying that the boiler must be kept clean at all times.

The procedure outlined above should be a part of regular plant maintenance and should be checked at least once a month. A more complete checkup involving such factors as excess air and carbon monoxide should be attended to once a year.

The charts which follow may be used to compute boiler efficiency, given CO_2 content and flue gas temperature.

The first set of curves is for natural gas. The reason this fuel is not made a part and parcel of the discussion on oil and coal is that gas is supplied in cubic feet and does not lend itself to conversion to pounds.

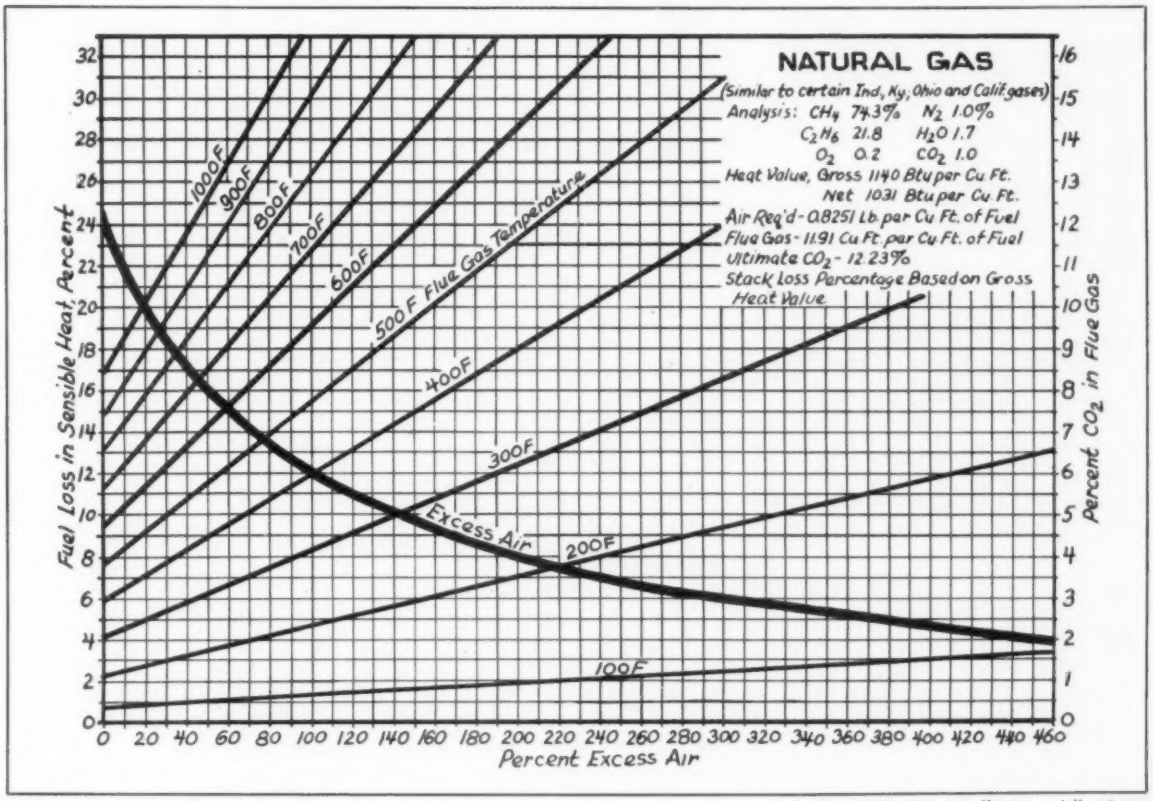
For solid fuels and oil we suggest working from the chart at right. These scales have been prepared specifically for use where flue-gas analysis and the fuel's heating value are known. The heating value should be the as-fired value; your fuel supplier can give you that information.



Incomplete combustion loss can be estimated directly from CO and CO_2 readings of flue-gas analysis. Dashed line indicates how to use chart

Here is how the chart works. The Orsat gives you the information in CO_2, O_2 and CO. With this data you go in on the curve at the CO scale as the arrow shows until you hit the proper line for CO_2+CO. Then cross over and pick off the fuel you are using. Drop down to the bottom scale and there you are with the percent of fuel's heat wasted. Subtract this from 100 percent and you have the boiler's efficiency.

Boiler Efficiency Chart for Natural Gas



Source—Air Conditioning, Heating and Ventilating

In this chart, fuel loss in sensible heat percent may be interpreted as boiler efficiency. Zero fuel loss would be equivalent to 100 percent efficiency; 10 percent fuel loss to 90 percent efficiency, and so on. Assuming that CO_2 and flue gas temperature are known, read across from right on CO_2 line to intersection of excess air curve. From intersection read straight up or down to intersection of flue gas temperature line. This point, carried straight across to fuel loss axis, indicates fuel loss. Assume that CO_2 percent is 6 and flue gas is 600° F. Reading from right on 6, line intersects excess air curve at about 105. Then, reading straight up to 600° F line, we get a fuel loss of approximately 19.5 percent

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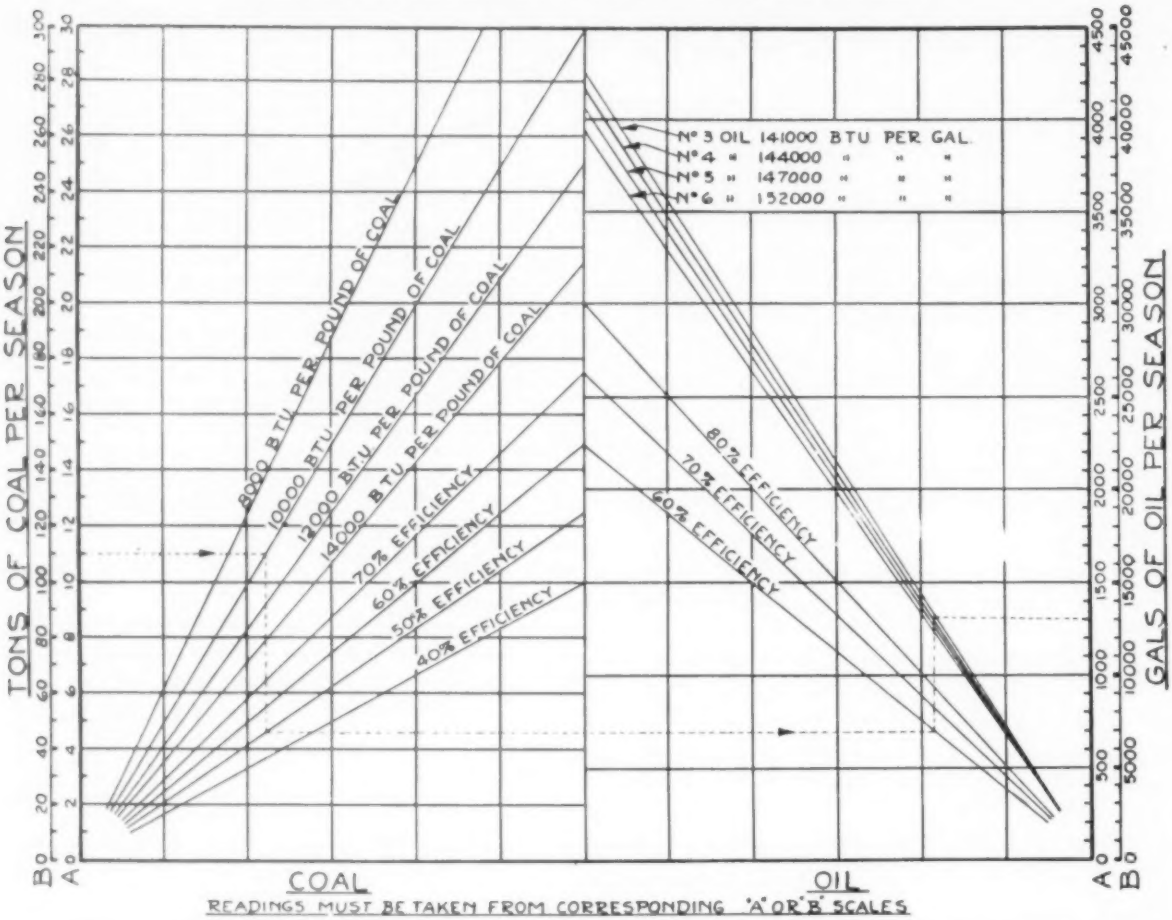
Computing Oil Consumption When Coal Consumption Is Known



When coal consumption is known, this chart permits ready estimation of comparative gallons of oil required. Locate coal consumption on left-hand A or B scale, read right to the heat content, down to the efficiency curve. From this point trace horizontally right to the assumed oil efficiency, up to the grade of oil assumed, then right to the corresponding A or B scale for oil and read to the comparative oil consumption. As illustrated in the dotted lines above, if a plant burns 110 tons of 10,000 B.t.u. coal at an efficiency of 50 percent, a comparative oil burning installation using No. 4 oil at 60 percent efficiency will require 13,000 gallons of oil for the same period. The chart may be used in reverse when oil consumption is known to estimate comparative tons of coal needed for a like period of time

Sizes for Boiler Combustion Chambers

Method of firing	B.t.u. per cubic foot	Approximate cubic feet required per hp.
Hand	50,000	1 1/10 cubic feet
Stoker	45,000	1 cubic feet
Oil	30,000	1½ cubic feet
Pulverized Coal	20,000	2¼ cubic feet
Gas	30-35,000	1½ cubic feet

In computing cubic contents of combustion chambers measure the depth to bridgewall for underfeed stoker and hand firing; the entire depth for pulverized coal, oil or gas firing and for spreaders or overfeed stokers. Width times height times depth will give the cubic contents. From the table, an oil-fired installation requires 1½ cubic feet of combustion chamber per horsepower, thus a 50 hp. boiler should have about 75 cubic feet of combustion chamber.

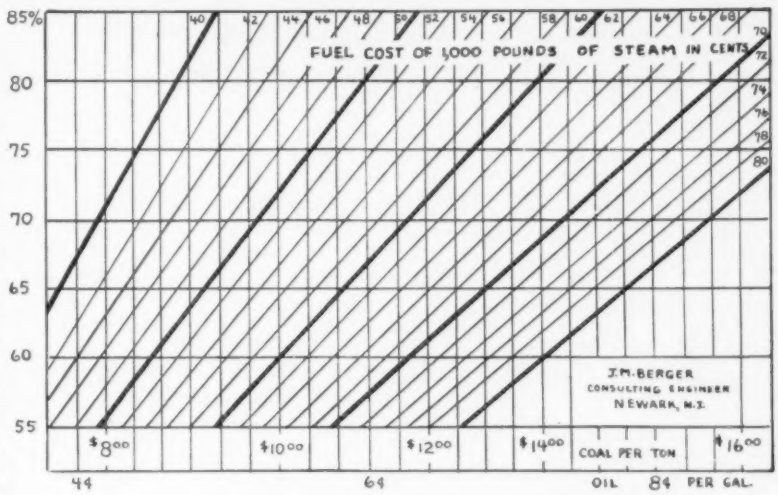
Losses From Boiler Scale

Character of scale	Thickness	Loss of efficiency	Coal wasted from every ton of coal fired
Hard	1/50"	5.4%	100 lb.
Hard	1/32"	7.2%	140 lb.
Hard	1/25"	9.3%	180 lb.
Hard	1/16"	12.6%	220 lb.
Hard	1/9"	15.9%	320 lb.

To combat loss in efficiency and excessive fuel costs resulting from boiler scale, some plants remove all scale-forming elements from the water before it is fed to the boiler. This is the ideal method but not always practical. Under other circumstances, feed water is treated with compounds changing the elements in the water from those quick to attach themselves to the boiler to those that remain in solution or form a soft sludge that can be blown out.

Steam Cost Chart

Chart indicates the cost of steam at varying prices for coal and oil with different over-all operating efficiencies. From cost of oil or coal at the bottom of chart trace up to point of assumed boiler efficiency on the scale at the left. The point of intersection on the slanting line will show fuel costs per 1,000 pounds of steam and can be read to nearest cent or to a tenth of a cent by proportion. For example, a plant using No. 6 Bunker C oil selling at 5.2 cents per gallon with a boiler of 65 percent efficiency will be paying 53.4 cents per 1,000 pounds of steam. Improving the boiler efficiency to 75 percent will cut steam cost to 46 cents, resulting in a saving of 7.4 cents per 1,000 pounds. Or a 70-percent-efficient boiler burning 14,000 B.t.u. coal selling at $10 per ton will deliver 1,000 pounds of steam at 51 cents per thousand pounds. This chart may be used in plotting the comparative costs of coal and oil or for figuring possible savings from stokers and combustion controls. If fuel costs go higher than shown on chart use one half fuel cost and multiply resulting cost of steam by 2



Based on 14,000 B.t.u. per pound of coal and 150,000 B.t.u. per gallon of oil, steam pressure 105 pounds gauge, moisture 2%, feed water 205° F

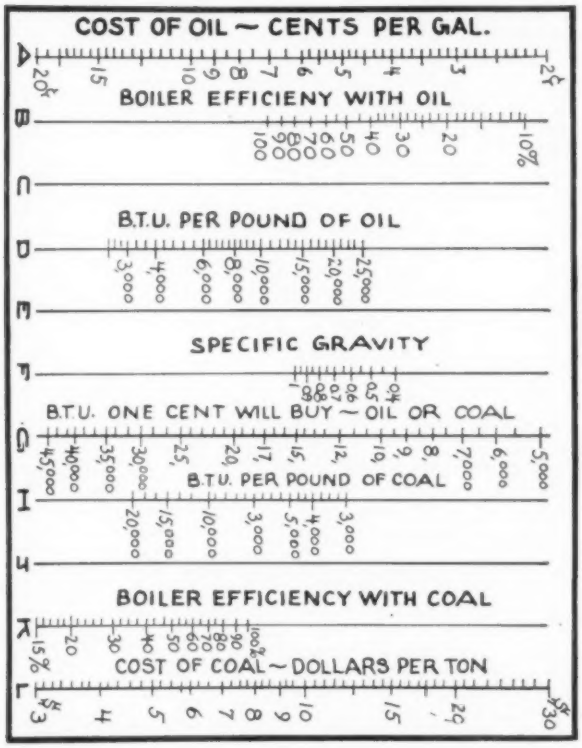
Coal and Oil Costs Compared

The accompanying chart was developed to assist in checking the cost of coal and oil per B.t.u.

To use the chart, draw straight line beginning at oil cost (A) through boiler efficiency (B) to C. From that point on C draw another straight line through B.t.u. (D) to E. From that point on E, draw line straight through specific gravity (F) to G. Point where line hits G. is B.t.u. one cent of oil will buy.

Follow same procedure for coal. Draw straight line beginning at cost (L) through efficiency (K) to J. From intersection on J draw another straight line through B.t.u. per pound (H) to G. Point on G is number of B.t.u. one cent's worth of coal will buy. Fuel which rates the highest on line G will be most economical under the conditions shown.

Additional factors such as space and labor required should be considered separately.



Steam Temperatures at Various Pressures

Lb. Pressure Per Sq. In.	Temperature F.	Lb. Pressure Per Sq. In.	Temperature F.
0#	212°	65#	312°
5	227	70	316
10	239	75	320
15	250	80	324
20	259	85	328
25	267	90	331
30	274	95	335
35	281	100	338
40	287	105	341
45	292	110	345
50	298	115	348
55	303	120	351
60	307	125	353

Fractional temperatures to nearest integer.

Courtesy Fulton Boiler Works, Inc.

Requirements for Hot-Water Heaters and Storage Tanks

Storage	G.P.H.	Boiler Hp. Required at Capacity
40 gal.	150	5.25
65 gal.	200	7.
100 gal.	300	10.5
200 gal.	450	15.7
360 gal.	750	26.

Courtesy Fulton Boiler Works, Inc.

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Boiler Heat Balances

(For good, fair and poor operating conditions)

	Coal			Fuel Oil			Natural Gas			
	Good	Fair	Poor	Good	Fair	Poor	Good	Fair	Poor	
Heat loss in unburned coal	0.4	1.5	5.0	....	....	....	....	....	....	Controllable Losses
Heat lost in unburned gas (CO, etc.)	0.2	0.4	5.0	0.2	0.6	6.0	0.2	0.6	5.0	Controllable Losses
Sensible heat lost in products of combustion	4.8	6.8	10.8	4.8	6.8	10.8	4.8	6.8	10.8	Controllable Losses
Heat lost in excess air	0.9	1.9	10.3	0.7	1.9	10.3	0.7	1.9	10.3	Controllable Losses
Latent heat lost in water vapor products of combustion	2.7	2.9	3.0	5.5	5.5	5.5	9.1	9.1	9.1	Fixed Losses
Radiation and unaccounted-for heat losses (by difference)	1.2	2.5	4.0	1.2	2.5	4.0	1.2	2.5	4.0	Fixed Losses
Heat used in generating steam	89.8	84.0	61.9	87.6	82.7	63.4	84.0	79.1	60.8	Steam
Based on flue gas temperature, °F.	300	400	600	300	400	600	300	400	600	
Based on excess air, percent	20	30	100	15	30	100	15	30	100	

Source—Bailey Meter Co.

A boiler that is 84 percent efficient employs 84 percent of the B.t.u. in the fuel for the generation of steam. The accompanying table quotes the percentages of B.t.u. dissipated in various ways of coal-, oil- and gas-fired boilers under good, fair and poor operating efficiencies. These percentages are grouped under controllable losses, fixed losses and those used in generation of steam.

A good installation using coal has an efficiency of 89.8 percent while with a poor installation the efficiency falls to 61.9 percent. Controllable losses are 31.1 percent for the poor coal-fired installation and only 6.3 percent for the good.

Not all controllable losses may be eliminated; to reduce some of them greatly may increase others. For instance, if the loss due to excess air is reduced too much, the saving effected will be offset by the increasing losses from unburned gases or smoke.

The Normal Radiation Load

Showing the rate of condensation in bare pipe carrying saturated steam at various pressures in quiet air at 75° F.

Pressure lb. gauge	2.3	5.3	10.3	25.3	50.3	100.3	150.3	200.3	250.3
Steam Temperature °F	219.4	228.0	240.1	267.3	298.0	338.1	366.0	388.0	406.2
Temperature Rise from 75° F	144.4	153.0	165.1	192.3	223.0	263.1	291.0	313.0	331.2
Latent Heat of Steam	965.6	960.0	952.0	933.3	911.0	879.8	856.8	837.9	821.6

Pipe Size	Length per sq. ft. of Radiation	Pounds of water per hour per linear foot								
1"	2.904'	.14	.16	.18	.22	.28	.36	.43	.49	.55
1¼	2.301'	.17	.19	.22	.26	.34	.44	.53	.60	.67
1½	2.01'	.19	.21	.24	.31	.38	.50	.60	.68	.76
2	1.608'	.23	.25	.28	.36	.45	.59	.71	.81	.92
2½	1.328'	.27	.30	.34	.43	.54	.70	.84	.97	1.09
3	1.091'	.33	.36	.40	.51	.64	.84	1.00	1.15	1.30
4	.848'		.45	.51	.64	.80	1.06	1.27	1.47	1.64
5	.686'		.55	.62	.78	.97	1.29	1.55	1.78	1.99
6	.576'		.64	.72	.91	1.14	1.52	1.85	2.09	2.34
7	.500'		.74	.82	1.03	1.30	1.73	2.07	2.39	2.68
8	.442'		.82	.92	1.15	1.46	1.94	2.33	2.68	3.01
9	.396'		.91	1.02	1.27	1.62	2.15	2.59	2.98	3.35
10	.355'		1.01	1.13	1.42	1.80	2.39	2.88	3.30	3.71
11	.325'		1.10	1.23	1.55	1.96	2.60	3.13	3.60	4.04
12	.299'		1.20	1.34	1.68	2.13	2.81	3.40	3.91	4.39
Large Pipe or Flat Surfaces per sq. ft.			.34	.37	.49	.64	.83	.99	1.14	1.28

Source—Armstrong Machine Works

Percentage of Saving of Fuel by Heating Feedwater—Steam at 60 Pounds

Final Temperature	Initial Temperature of Water—Fahrenheit 32°	40°	50°	60°	70°	80°	90°	100°	120°	140°	160°	180°	200°
60°	2.39	1.71	0.86	0									
80°	4.09	3.43	2.59	1.74	0.88								
100°	5.79	5.14	4.32	3.49	2.64	1.77	9.90	0					
120°	7.50	6.85	6.05	5.23	4.40	3.55	2.68	1.80	0				
140°	9.20	8.57	7.77	6.97	6.15	5.32	4.47	3.61	1.84	0			
160°	10.90	10.28	9.50	8.72	7.91	7.09	6.26	5.42	3.67	1.87	0		
180°	12.60	12.00	11.23	10.46	9.68	8.87	8.06	7.23	5.52	3.75	1.91	0	
200°	14.30	13.71	13.00	12.20	11.43	10.65	9.85	9.03	7.36	5.62	3.82	1.96	0

Courtesy Fulton Boiler Works, Inc.

Chemicals Used in Internal Treatment

Purpose	Name	Formula	Action	Remarks
Corrosion Protection	Sodium hydroxide (caustic soda)	$NaOH$	Increases alkalinity, raises pH, precipitates magnesium	Contains no carbonate, so does not favor formation of CO_2 in steam. Alkalinity must be carefully controlled; excess caustic soda may aid caustic embrittlement
	Sodium carbonate (soda ash)	Na_2CO_3	Increases alkalinity, raises pH, precipitates hardness	Low cost, more easily handled than caustic soda. $CaCO_3$ forms scale; soda ash breaks down releasing CO_2 with steam; alkalinity must be controlled. Sludge conditioning needed
	Sodium silicate (water glass)	Na_2SiO_3	Coats boiler metal	Protects against corrosion in low-pressure boilers using soft waters
	Amines	Ammonia derivatives	Prevent CO_2 corrosion	Pass over with steam to prevent corrosion in condensate line
	Sodium sulfite	Na_2SO_3	Prevents O_2 corrosion	A scavenging agent used to neutralize residual oxygen not removed by deaeration-ferrous hydroxide, also used. Sulfite may break down to H_2S in steam
Hardness Precipitation	Sodium phosphates	NaH_2PO_4 Na_2HPO_4 Na_3PO_4 $NaPO_3$	Precipitate calcium as calcium phosphate, $Ca_3(PO_4)_2$ or preferably calcium hydroxyphosphate, $Ca_3(PO_4)_2$, $CaOH_2$	pH must be kept at 9.5 or above for reaction to take place. Proper compound must be chosen to adjust pH to best value. Finely divided calcium phosphate favors carryover. Sludge conditioning needed
	Sodium aluminate	$Na_2Al_2O_4$	Precipitates calcium and magnesium	Forms jelly-like sludge
Sludge Conditioning	Tannins, lignins	Organics of varying constitution	Prevent feed line deposits, coat scale crystals to prevent their sticking to metal	Used with soda ash or phosphates. Are inert with respect to hardness removal. Break down under heat, hard to control. Also inhibit (slow down) embrittlement as does sodium nitrate, Na_2NO_3
	Starch	$(C_6H_{10}O_5)x$	Same as tannins	Forms slimy coating to prevent scale. Breaks down under heat; no control
	Reactive colloids	Complex organics	Provide fluid sludge, minimize carryover	Will react with calcium and magnesium and adsorb scale crystals but have no direct control

Internal treatment is the feeding of chemicals directly to the raw water or into the boiler to: (1) precipitate impurities as a sludge in the water, (2) condition the sludge to keep it from sticking to the metal so it can be removed by blowdown, (3) adjust the water composition to make it noncorrosive.

The table lists some of the materials used to accomplish these three objectives. Commercial "boiler compounds," designed for a wide range of low- and medium-pressure boilers, include various combinations of these basic treatment materials. For high-pressure boilers, it's more common to select the individual ingredients separately according to the individual installation.

Blowdown: In addition to removing sludge formed by treatment, blowdown is often used to control the solids concentration in boiler water. Concentration of chloride ions in water serves as a good indication of total dissolved solids, so the amount of blowdown is often determined by: blowdown (percent of makeup) = 100 (Cl in feedwater/Cl in boiler water). However, if the solids concentration is too high, the amount of blowdown required becomes excessive.

Gallons of Water To Feed Boilers

Horsepower	Gallons per minute	Gallons per hour
50	3.45	207
75	5.18	311
100	6.90	414
125	8.63	518
150	10.35	621
175	12.08	725
200	13.80	828
225	15.53	932
250	17.25	1035

One gallon of water weighs 8.34 pounds at 60° Fahrenheit. One boiler horsepower equals 34.5 pounds of water or 4.14 gallons of water evaporated per hour from 212° Fahrenheit.

Boiler hp. × 34.5 = pounds of water required per hour
Boiler hp. × 4.14 = gallons of water required per hour
Boiler hp. × .069 = gallons of water required per minute

Trap Installation

A test valve hookup provides a simple way to check a trap's performance. It eliminates all guesswork whether a trap is operating properly. The standard hookup shown on page 128 fills the bill.

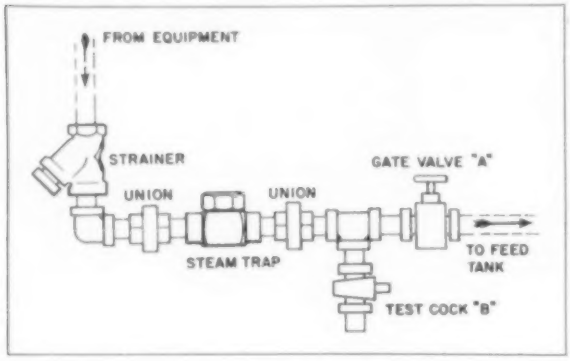
To test, simply close valve A and open valve B. The discharge can then be seen. The trap may be:

1. Opening and closing normally. If so, close B and open A. No maintenance is necessary.
2. Not discharging condensate, causing the equipment to lose temperature.
3. Blowing steam caused by dirt or scale, or some other cause.

The last two conditions call for maintenance or repairs. For causes and remedies of trap troubles see the outline on page 129. In most situations it is more expedient to remove the trap and replace it at once with a stand-by trap. The defective unit can then be repaired at leisure, working on a table or bench.

On the other hand, most trap manufacturers supply re-

paired traps at little if any additional cost above the cost of parts. This has the advantage that a factory repaired, tested and guaranteed trap is ready for use when replacement is called for.



Simple standard steam-trap-strainer-test cock assembly for easy installation and maintenance

If you decide to make your own repairs, be sure to test the trap before installing it back in the steam line.

There is one more thing to remember when installing traps. There should be a shut-off valve that isolates each piece of equipment from the rest of the steam system. This way you can open the trap for inspection or make the suggested replacement while the rest of the equipment is operating.

Tips on Traps

The less maintenance traps need, and the simpler maintenance is, the better for you. The first step in preventive maintenance is choosing the right trap. Here are five qualifications:

1. Trap should release condensate quickly as it forms to keep equipment at maximum temperature for best output.
2. Trap should not leak steam in order to operate. (This is wasteful.) It should close steam tight when not discharging condensate.
3. Trap should bring equipment up to temperature in the shortest possible time and should not air-bind.
4. Trap should have few, simple working parts.
5. Trap shoud be smallest possible size to do the job. Oversized traps increase costs, can cause rapid wear and steam waste.

On that fifth qualification, here is another point to consider if you operate a petroleum plant. Today, most charged-system soaps call for low steam pressures for distillation (30-35 p.s.i.). It may be that your still came equipped with a high-pressure trap unless the low-pressure trap was specified. If that is the case, be sure to change the trap for maximum efficiency of distillation and conservation of steam.

It is vital that each and every piece of equipment be individually trapped. If not, interference between two or more units develops, seriously affecting output and steam consumption. While this may seem an elementary point, check every piece of equipment utilizing steam in your plant.

If one or more pieces are using a common trap, now is the time to make a change. It will save you money in the long run.

Remember, your traps should be fitted as closely to the steam-heated unit as is possible. This saves steam and makes the trap respond more quickly to conditions in the equipment. A strainer should be fitted before each trap to keep out dirt, scale and core sand that cause rapid wear and costly repairs.

A standardized piping job will simplify maintenance and replacement costs. There should be an inlet union from the trap.

Keep one or more of the various types of traps on hand in your stockroom. Then, when a trap needs cleaning or replacement, simply break the unions, remove the old trap and install the new. Then tighten the unions.

Condensate Load a Trap Must Carry

The Warming-Up Load

Showing the total steam condensed in raising ordinary wrought-iron pipe from 70° F. room temperature to saturated steam temperature for various pressures

Steam Pressure lb. sq. in.	2.3	5.3	10.3	25.3	50.3	100.3	150.3	200.3	250.3
Steam Temperature °F	219.4	228.0	240.1	267.3	298.0	338.1	366.0	388.0	406.2
Temperature Rise from 70° F.	149.4	158.0	170.1	197.3	228.0	268.1	296.0	318.0	336.2
Latent Heat	965.6	960.0	952.0	933.3	911.0	879.8	856.8	837.9	821.6

Pipe Size	Wt. of pipe per foot	Pounds of water per linear foot								
1"	1.7 lb.	.0295	.0314	.0342	.0404	.0477	.0583	.0660	.0725	.078
1 ¼	2.3	.0400	.0426	.0463	.0548	.0647	.0791	.0895	.0983	.106
1 ½	2.7	.0478	.0509	.0553	.0655	.0773	.0944	.1070	.1174	.127
2	3.65	.0643	.0687	.0745	.0883	.104	.127	.144	.158	.170
2 ½	5.8	.102	.109	.118	.133	.165	.202	.232	.250	.270
3	7.6	.133	.143	.155	.183	.217	.264	.299	.328	.354
3 ½	9.2	.161	.173	.188	.222	.264	.320	.362	.397	.429
4	10.9	.192	.205	.222	.263	.311	.378	.429	.472	.509
5	14.8	.261	.278	.302	.358	.423	.514	.582	.641	.690
6	19.2	.338	.362	.392	.464	.549	.666	.755	.829	.895
7	23.8	.418	.448	.485	.575	.680	.826	.937	1.030	1.109
8	28.8	.507	.542	.589	.696	.822	1.002	1.135	1.248	1.344
9	34.1	.600	.624	.696	.825	.976	1.185	1.343	1.478	1.591
10	40.5	.712	.761	.827	.978	1.156	1.408	1.593	1.752	1.890
11	45.6	.803	.858	.931	1.102	1.304	1.588	1.795	1.973	2.125
12	49.6	.871	.932	1.011	1.197	1.420	1.722	1.953	2.146	2.312
13	54.6	.960	1.029	1.116	1.321	1.560	1.899	2.150	2.362	2.542
14	58.6	1.031	1.102	1.196	1.416	1.674	2.035	2.310	2.535	2.730
15	62.6	1.103	1.179	1.280	1.513	1.792	2.175	2.465	2.715	2.920

Source—Armstrong Machine Works

Trap Troubles—Causes and Solutions

Cold Trap—Most Likely Causes

1. Trap orifice plugged with dirt. Clean trap or replace. Be sure there is a strainer ahead of, or an integral part of the trap.
2. Vent closed with dirt or oil. Clean or replace and check strainer.
3. Dirty strainer ahead of trap. Blow it down or replace screen.
4. Badly worn valve parts. Replace trap.
5. Change in pressure. If you took a 30-pound trap from your still and placed it on your tumbler, it would refuse to open. Or if you operated at 80 p.s.i. with 80-pound traps and decided to increase boiler pressure to 100 or 110 p.s.i., the traps would have to be modified to conform to the new pressure. Be sure you have the right trap for the right job.

Cold Trap—Possible Causes

Steam pressure may be too high for trap due to:

1. Increase in boiler pressure.
2. Pressure regulator out of adjustment.
3. Pressure gauge on boiler reads too low.

There are many causes for hot trap conditions, too. Here are the symptoms and the remedies:

Hot Trap—No Discharge

1. Trap is installed above a leaky bypass valve.
2. Leaking syphon pipe in syphon-drained unit.

Steam Loss

If your test shows that the trap is blowing live steam, trouble may be due to:

1. Piece of scale lodged in orifice. Clean or replace trap.
2. Valve parts worn. Replace valve and seat.
3. Temporary prime loss. If the trap is blowing live steam, close inlet valve for a few minutes; then gradually open. If the trap catches its prime and operates, the chances are the trap is all right.

Continuous Flow

If the trap discharges water continually, there can be one of two things wrong. Check for these conditions:

1. Abnormal water condition. Boiler may foam or prime, throwing large quantities of water into the steam lines. A separator should be installed at the boiler. More important, check the feedwater conditions.
2. Trap too small for the job. Replace with proper sized trap.

Sluggish Heating

Sometimes a trap will cycle properly yet the unit fails to heat. This can be due to three different causes. Here they are:

1. One or more units may be short-circuiting. Be sure each unit is individually trapped.
2. Trap may have insufficient air-handling ability. Replace with proper unit.
3. High-pressure trap on low-pressure job. This is particularly true of stills, as mentioned earlier in connection with charged system soaps. Be sure you have the right size trap for the job.

Return Line Trouble

If the trap operates all right when discharging into the atmosphere but trouble is encountered when it is connected with the return line, excessive back pressure may be the cause. Check for:

1. Return line too small (trap hot). Enlarge line.
2. Other traps may be blowing steam. Check other traps and replace any defective units.
3. Atmosphere vent in condensate receiver may be plugged. (Trap can be either hot or cold.) Clean the vent.
4. Return line plugged with dirt. (Trap can be either hot or cold.) Clean return line.

Selection of Air-Vacuum Units

Equipment requirements must be carefully tabulated before buying an air vacuum. A reliable dealer can be of invaluable help. There is a lot more to size selection than just counting the presses, present and future. But too often that is how the unit is purchased.

There have been occasions when a plantowner or a competitive dealer has pressured the salesman into supplying too small a machine to save on initial costs. The result is that the owner sacrifices capacity and work quality. He will also experience failure of the unit. When that happens, expensive down-time can more than offset the small savings on the purchase.

The undersized unit will cause nothing but difficulty as long as it is used. All this can be avoided if the problem is approached in a commonsense, scientific manner. For example, it stands to reason that a topper will use less vacuum than a large steam table. The amount of air vacuum required to assure fast drying, fine garment finish and fast handling depends on:

1. The size and type of pressing buck.
2. The time of the pressing cycle.
3. The skill and speed of the operator.
4. The type of garment.

Vacuum Selection Table Factor

Equipment	Time Vacuum Used 15%	50%
Press—under 24"	¼ F	¾ F
Press—24–40"	½ F	1½ F
Press—42–48"	1 F	3 F
Press—over 48"	1½ F	4 F
Steam table	2 F	6 F
Spotting board	¼ F	¾ F

The chart above will serve as an accurate guide for the proper calculation of your needs. The figures are the *factor*, the use of which will be explained.

In most cases, the average laying and drying time, when vacuum is used, is about 15 percent of the total time the garment is on the press. The 50 percent figure involves garments causing difficult lays, such as pleated skirts and similar pieces.

Here is how to use the chart:

1. Estimate for each press whether the type of work it will normally perform falls into the 15 or 50 percent category.
2. Refer to the selection table. Multiply the resulting factor for each press by the number of presses you have in each classification.
3. Add up the total requirements, plus a margin for future expansion.

Let us take a typical case. Assume a plant is doing about $1,000 a week. Its possible requirements are shown in the chart on the following page.

Continued on page 130

Continued from page 129

Vacuum Capacity for $1,000 Weekly Volume

No. of units	Type equipment	Class	Factor	Subtotal
2	Utility 42–48"	15%	2 x 1	2
1	Topper—under 24"	50%	1 x ¾	¾
1	Press—over 48"	15%	1 x 1⅓	1⅓
1	Spotting board	15%	1 x ¼	¼
1 (future)	Utility 42–48"	15%	2 x 1	2
1 (future)	Topper—under 24"	50%	1 x ¾	¾
			Required capacity	6⅛ units

The grand total of 6⅛ units indicates the size of machine this plant needs, in a realistic manner.

Selecting the Proper Size Compressor

Manufacturers of air compressors are glad to make recommendations for the right equipment you need. However, it will help you and your adviser if you have a clear understanding of certain fundamentals.

For example, there are *single-stage* and *two-stage* compressors. The term does not refer to the number of cylinders. A single-stage compressor can have one or more.

Each downward stroke of each piston takes air in at atmospheric pressure. On the upward stroke, the compressed air is discharged directly into the air receiver or tank. Single-stage compressors work best where pressures less than 100 p.s.i. are required.

A two-stage compressor always has a minimum of two cylinders. It has a low-pressure cylinder (larger) and a high-pressure cylinder (smaller). As the low-pressure cylinder goes downward, air is taken in at atmospheric pressure. On the upward stroke the low-pressure piston discharges the air through an intercooler and into the high-pressure cylinder on the downward stroke of the high-pressure piston. On the upward stroke of the high-pressure piston the air is discharged into the air receiver.

Two-stage compressors are recommended when operating pressure exceeds 100 p.s.i. Their normal operating pressure is 175 p.s.i. The type you need depends upon plant requirements, but at least you should understand the expressions.

Here is another point. Press manufacturers rate their air requirements in terms of cubic feet of compressed air. On the other hand, compressor manufacturers generally rate their compressors in terms of cubic feet of free air. Free air is less than the displacement rating because of the fact that no compressor can be 100 percent efficient.

We want to acquaint you with the two terms. When you select a compressor, with the help of your dealer, make certain that the compressed-air requirements are converted to cubic feet of free air.

Many cleaners order compressors based on the horsepower of the compressor motor. That is all right, so long as the air output is sufficient.

General Specifications for Air Compressors

70 lb. maximum discharge pressure

No. of presses to be operated				Actual delivery at 70 lb. pressure		Nominal receiver size
.24 cu. ft. of compressed air/min.	.35 cu. ft. of compressed air/min.	Piston displacement cu. ft. per min.	Motor horsepower	cu. ft. of free air per min.	cu. ft. of comp. air per min.	Gals.
1– 2	1	4.22	¾	3.25	.56	30
3	2	5.85	1	4.50	.78	30
4	3	8.45	1½	6.40	1.11	30
5– 6	4	12.8	2	9.25	1.60	60
7–10	5–6	18.0	3	13.2	2.29	60
11–16	7–11	30.5	5	22.9	3.97	60

The chart above will give you a guide for selecting the right size unit, based on the number of presses you operate. Note that it shows *compressed air, cubic feet of free air* and *horsepower.*

Aftercoolers

One thing many plantowners overlook in the purchase of a new compressor is to include a water-cooled aftercooler to remove condensation from the air before it reaches the presses.

Condensation and oil vapors carried over to the presses will clog the air mechanisms. As a result, they must be taken down and thoroughly cleaned. This is extra maintenance and expense.

For a small extra cost, an aftercooler and automatic drain-trap can be purchased. It will eliminate the condensation and oil vapor and the troubles they cause.

Compressor Preventive Maintenance

Weekly Inspection

1. Inspect oil in motor and compressor. Keep outfit clean.
2. Drain moisture from tank by opening tank drain cock. Allow it to remain open until only clean air passes, then close it tightly.
3. Check packing around needle valve stem. If there is any leakage, tighten the packing slightly.
4. If air compressor gauge shows a drop in pressure when tank needle valve is closed, check for leaks. They are costly.

Air Compressor Data

Cost of Electricity To Compress, Deliver Air

(Cents per 100 cu. ft. free air. Based on 100% motor efficiency)

B. hp. per 100 c.f.m. free air	Price of electric current per kw. hr. (cents)								
	1	1.5	2	2.5	3	3.5	4	4.5	5
16	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
18	0.225	0.337	0.45	0.562	0.675	0.787	0.9	1.012	1.125
20	0.25	0.375	0.5	0.625	0.75	0.875	1.0	1.125	1.25
22	0.275	0.412	0.55	0.687	0.825	0.962	1.1	1.237	1.375
24	0.3	0.45	0.6	0.75	0.9	1.05	1.2	1.35	1.5
26	0.325	0.487	0.65	0.812	0.975	1.137	1.3	1.46	1.625
28	0.35	0.525	0.7	0.875	1.05	1.225	1.4	1.575	1.75
30	0.375	0.562	0.75	0.937	1.125	1.312	1.5	1.687	1.875

Every Three Months

5. Drain oil from compressor and refill with fresh oil of proper grade.

6. Remove felts from intake muffler, wash in gasoline, dry thoroughly and reassemble.

7. Check-valve seat washer should be examined. If worn, replace it. Be sure to exhaust the pressure from the tank before inspecting the check valve.

8. If air is found leaking from bleeder valve on pressure switch, when the compressor has automatically stopped, check valve should be inspected and seat washer replaced or plunger adjusted so it will work freely.

9. Examine motor brushes and commutator on single-phase motor. If badly worn, brushes should be replaced. Commutator can be cleaned with a dry rag or sandpaper. *Do not use emery cloth.*

10. Inspect contacts of automatic pressure switch or motor starter. If badly burned, replace.

Sizes of Wire for Compressors

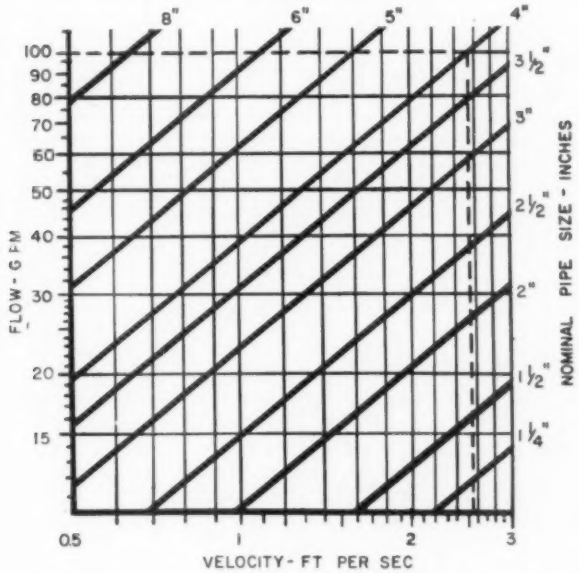
(Sizes to use for distances up to 100 feet from feeder)

	Single Phase		Three Phase		Direct Current	
Motor Horsepower	110 V	220 V	220 V	440 V	115 V	230 V
Less than 1	14	14	14	14	14	14
1	12	14	14	14	14	14
1½	10	14	14	14	14	14
2	8	14	14	14	12	14
3	8	12	14	14	8	14
5	4	8	12	14	6	10
7½	—	6	10	14	3	6
10	—	5	8	12	1	6

Courtesy—Ingersoll-Rand Co.

The wire sizes recommended in the above table are suitable for the compressor unit. If other electrical equipment is connected to same circuit, total electrical load must be considered in selecting proper wire sizes; otherwise, burned-out motor will result unless it is amply protected

Flow Velocity for Standard-Weight Pipe

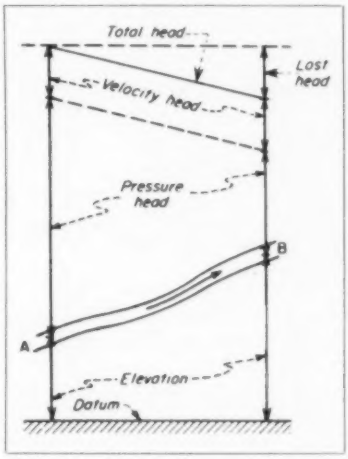


Fluid velocity in feet per second for any flow in gallons per minute is found directly from chart. For example, 100 g.p.m. flowing in standard-weight 4-inch pipe has velocity of 2.55 feet per second

Pipes

Pressure head may be looked on as the force the fluid exerts against the walls of the pipe. It is the only part of the total head shown by a pressure gauge. Pressure head, in feet, equals 0.433 times the pressure, in p.s.i., divided by the specific gravity of the fluid.

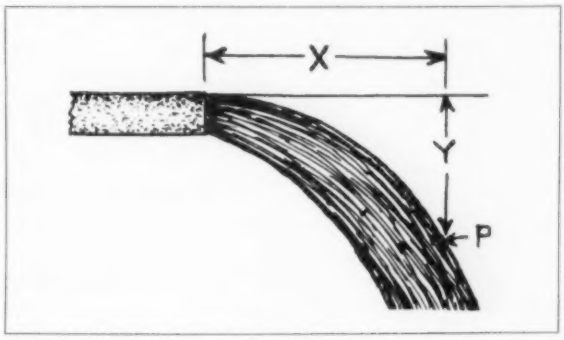
Pipe friction. Commercial pipes aren't smooth, so some of the fluid's energy is wasted in friction. Thus in flow from one point to another there is always a loss of head due to friction. We should, therefore, restate the general rule as follows: When a fluid flows from one point to another, the sum of the elevation, velocity and pressure heads at the second point is equal to the total head at the first point, minus friction loss.



The sketch illustrates this rule. Fluid flows in pipe of constant cross-section from point A to B. At A it has elevation head, pressure head and velocity head as indicated. Since section doesn't change, velocity is constant and there's no change in velocity head. Point B is higher than A, so elevation head increases. Pressure head at B is much less than at A, because part of it has been used in lifting the fluid from A to B and thus shows up as elevation head B. Also, part of pressure head has been used in overcoming pipe friction. The difference in total head between A and B is head lost to friction.

Flow of Liquid Without a Meter

Rule: Measure the internal diameter of the pipe in inches and "square" it. Thus, if the internal diameter is 2 inches you will have $2 \times 2 = 4$. Then multiply by the distance X in inches. Thus, if the distance X is 20 inches you will have $4 \times 20 = 80$. Then multiply that by 2.56; this gives us



80×2.56 equals 204.8. Last, divide that by the square root of the distance Y. Thus if the distance Y is 25 inches, the square root of 25 is 5. Dividing 204.8 by 5 we get 40.96 gallons per minute, which is the answer.

Note carefully that all measurements are in inches and

not in feet, and the answer is always in gallons per minute.

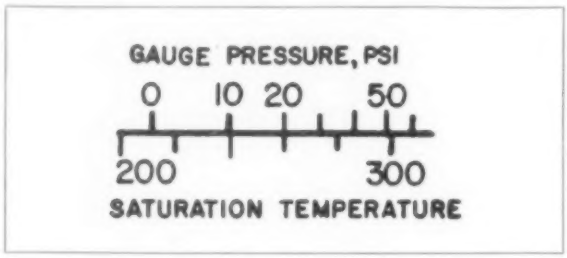
A short cut that will make your work easy is to choose a point P that is down a distance 9 inches, 16 inches, 25 inches, or 36 inches, etc., because their square roots are 3, 4, 5 and 6 respectively. In that way it will not be necessary for you to refer to tables of square roots or to arduously extract a square root by longhand.

In the event that you might want to convert the above answer into cubic feet per minute, divide by 7.5 as there are approximately 7.5 gallons in a cubic foot.

Pointers on Insulation

Figuring Heat Loss, Economic Thickness

The table shows loss for various thicknesses of 85% magnesia insulation applied to pipelines or flat surfaces 300° F hotter than surrounding air. Data can be used approximately



for such insulations as mineral wool and sponge-felted asbestos. If temperature difference is greater or less than 300° F, apply factor from chart at right.

Example: A 100-foot run of 1¼-inch pipe insulated with double-standard insulation carries process steam (saturated) at 100 p.s.i.g. through a room at 80° F. What is hourly heat loss?

Solution. Pipe temperature is 350° F, from scale, so temperature difference is 270°F. Factor from chart is 0.9. Loss per foot of pipe run at 300° F, from table, is 52.4 B.t.u. Total loss is $52.4 \times 0.9 \times 100 = 4{,}716$ B.t.u. per hour.

Economic Thickness. To figure economic thickness for insulation, draw up a table for the specific job similar to one shown below for a heater.

Thickness, inches	Total insulation cost installed	Total yearly dollar loss	Cost of added insulation thickness	Added saving	Years for added saving to pay added cost
0	—	$720	—	—	—
1	$200	180	$200	$540	0.37
1½	260	126	60	54	1.11
2	318	96	58	30	1.93

Then pick the thickness that pays off in the time required by your plant's financial policy. If insulation above has to pay off within two years, use 2-inch.

Source—Magnesia Insulation Manufacturers Association

Heat Loss Through 85% Magnesia

(Multiply by correction factor from chart below)

Pipe size, inches	Insulation thickness, inches	Heat loss, B.t.u.*	Pipe size, inches	Insulation thickness, inches	Heat loss, B.t.u.*
½	⅞ (s)	51.9	1¼	⅞ (s)	79.5
	1½	40.8		1½	59.2
	1 29/32 (ds)	36.9		1 29/32 (ds)	52.4
	2	36.2		2	51.1
	2½	33.0		2½	45.7
	3	30.9		3	42.0
¾	⅞ (s)	59.1	1½	⅞ (s)	86.7
	1½	45.7		1½	64.2
	1 29/32 (ds)	41.1		1 29/32 (ds)	56.6
	2	40.2		2	55.1
	2½	36.5		2½	49.2
	3	33.9		3	45.0
1	⅞ (s)	67.8	Flat insulation blocks with ½-inch asbestos cement finish		
	1½	51.7			
	1 29/32 (ds)	46.0			
	2	45.0		1	96.2**
	2½	40.7		1½	69.9
	3	37.5		2	54.9

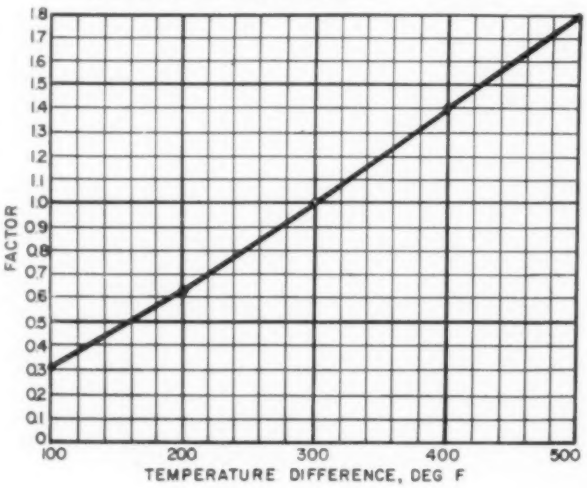
(s) Standard thickness; (ds) double-standard thickness.

* B.t.u. per hour per foot of pipe length at 300° F temperature difference.

** B.t.u. per hour per square foot of insulation surface at 300° F temperature difference.

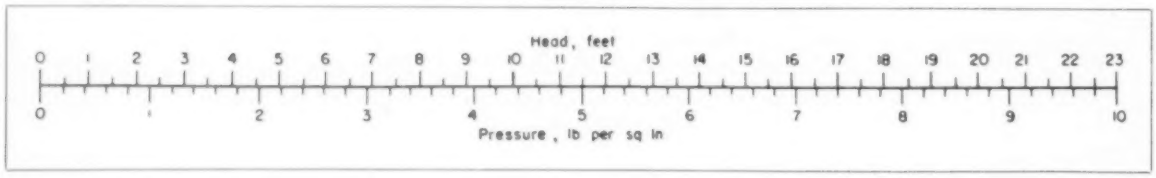
Temperature Correction Factor

(based on 300°F temperature difference as normal)

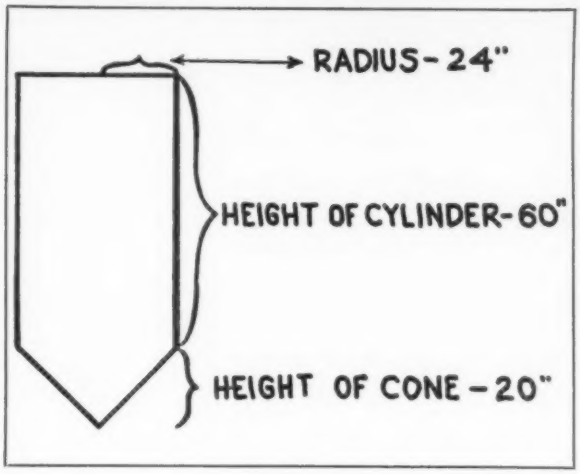


FACTS FOR FIGURING

Conversion From Head in Feet of Water to P.S.I.



Computing Tank and Jar Capacities



Square or rectangular:

1. To compute cubic contents multiply length by width by depth. For example, the cubic contents of a tank 10 feet long, 6 feet wide and 4 feet deep is 240 cubic feet.
2. Since 1 cubic foot equals 7½ gallons, the tank above would hold 1,800 gallons (7½x240 = 1,800 gallons).

Cylindrical or round:

1. Square the diameter and multiply by .7854 and then multiply by the length or depth to obtain cubic contents. Capacity of a cylindrical tank 4 feet in diameter and 6 feet in length is 75.3984 cubic feet (4 x 4 x .7854 x 6 = 75.3984 cubic feet).
2. With 7½ gallons per cubic foot the tank would hold 565.49 gallons.

NOTE: When dimensions include both feet and inches, reduce all to feet or to inches before multiplying. If measurements are all in inches, the answer will be cubic inches. To reduce to cubic feet divide by 1728 (1728 cubic inches = 1 cubic foot).

Belt and Pulley Calculations

To find lengths of belts: Add the diameter of the two pulleys together, multiply by 3⅛ and divide the product by two. Add twice the distance between the centers of the shafts to the quotient and that will be the length required.

To calculate power of belts: The horsepower of any belt equals its velocity in feet per minute multiplied by its width and divided by 1,000 for single and 700 for double belts. A 1-inch single belt, velocity 1,000 ft. per minute, equals 1 horsepower. A 1-inch double belt, velocity 700 ft. per minute, equals 1 horsepower.

To find diameter of driving pulley: Multiply diameter of driven pulley by the number of revolutions per minute and divide by the number of revolutions of driver. Quotient will be diameter of the driver.

To find speed of driving pulley: Multiply diameter of the driven pulley by its revolutions per minute and divide by diameter of driver. Quotient will be number of revolutions of driver.

To find diameter of driven pulley: Multiply diameter of driver by its number of revolutions per minute and divide by number of revolutions of the driven pulley. Quotient will be the diameter of driven pulley.

To find speed of driven pulley: Multiply diameter of driver by its number of revolutions per minute and divide by diameter of driven pulley. Quotient will be number of revolutions of driven pulley.

Capacities of Tanks

To calculate the number of gallons in the cylinder of a clarifying tank use the following data:

$$3.14 \times \text{radius}^2 \times \text{height} = \text{cubic inches in cylinder}$$
$$231 \text{ cubic inches} = 1 \text{ gallon}$$
$$\text{cubic inches} \div 231 = \text{gallons in cylinder}$$

Given a tank cylinder with a radius of 24 inches and a height of 60 inches:

$$\frac{3.14 \times 24 \times 24 \times 60}{231} = 470 \text{ gallons}$$

To calculate the number of gallons in the cone of a tank use the following formula:

$$\frac{3.14 \times \text{radius}^2 \times \text{height}}{3 \times 231} = \text{gallons in the cone}$$

To find the capacity of a tank cone with a radius of 24 inches and a height of 20 inches:

$$\frac{3.14 \times 24 \times 24 \times 20}{3 \times 231} = 52 \text{ gallons}$$

Conversion Ratios

1 gallon of water weighs 8.34 pounds.
1 gallon of water contains 231 cubic inches.
1 cubic foot of water equals 7.5 gallons.
1 cubic foot of water weighs 62.5 pounds.
1 horsepower equals 746 watts.
1 boiler horsepower equals 34.6 pounds of water evaporated per hour from and at 212° Fahrenheit.

	Multiplied by	Equals
Diameter of circle squared	3.1416	Circumference of circle
Diameter of circle squared	.7854	Area of circle
Gallons of water	.1377	Cubic feet
Cubic feet of water	62.5	Pounds of water
Gallons of water	8.34	Pounds of water
Feet head of water	.433	Pounds of pressure
Pounds pressure of water	2.31	Feet head
Feet head (brine sp. gr. 1.21)	.52	Pounds of pressure
Boiler horsepower	.069	Gallons feed water required per minute
Pounds pressure (brine)	1.92	Feet head
Feet head (gasoline sp. gr. 0.75)	.325	Pounds pressure
Pounds pressure (gasoline)	3.08	Feet head
Inches vacuum	1.132	Feet head
Feet suction lift	.882	Inches vacuum

To convert degrees Fahrenheit to degrees Centigrade, subtract 32 degrees and multiply by five-ninths.
To convert Centigrade to Fahrenheit, multiply by nine-fifths, add 32 degrees.

COURSES IN DRYCLEANING AND RELATED SUBJECTS

Association Schools

National Institute of Drycleaning
Silver Spring, Maryland

GENERAL COURSE

Subjects: Drycleaning, spotting, wetcleaning, finishing. Theory, laboratory, plant practice.
Duration: 12 weeks.
Fees: Tuition $350; textbooks and supplies $20; laboratory fee $1.
Eligibility: Bona fide connection with member plant (waived for veterans); 1 year plant experience; 18 years age minimum.
GI approved.

PLANT MANAGEMENT

Subjects: Supervisory methods, wage incentives, work standards, layout, production control, customer relations, salesmanship, advertising, accounting, budgeting, effective writing and speaking, etc.
Duration: 4 weeks.
Fees: Tuition $275; textbooks and supplies included.
Eligibility: Bona fide connection with member plant (waived for veterans).
GI approved.

SILK FINISHING

Subjects: Finishing, fabrics, department layout, production figures and expectations.
Duration: 2 weeks.
Fees: Tuition $70; textbooks and supplies $2.
Eligibility: Bona fide connection with member plant, NID.

WOOL FINISHING

Subjects: Finishing, fiber identification, garment construction, department layout, production rate.
Duration: 2 weeks.
Fees: Tuition $70; textbooks and supplies included.
Eligibility: Bona fide connection with member plant, NID.

EDUCATIONAL CONFERENCE FOR ASSOCIATE MEMBERS

Subjects: Drycleaning, spotting, wetcleaning, finishing.
Duration: 1 week.
Fee: $100.
Eligibility: Bona fide connection with associate member firm, NID.

LEATHER CLEANING AND FINISHING

Subjects: Drycleaning leather in petroleum and synthetic solvents. Dyes and dressings for grain and suede leathers.
Duration: 1 week.
Fee: Tuition $60; text materials and supplies included.
Eligibility: Bona fide connection with member plant, NID.

CORRESPONDENCE COURSE—FIBERS AND FABRICS

Subjects: Fiber properties; fiber identification; fabric construction; dyeing and printing methods.
Fee: $15 paid in advance.
Eligibility: Bona fide connection with member plant.

CORRESPONDENCE COURSE—PETROLEUM DRYCLEANING

Subjects: Petroleum solvents; soaps and detergents; the charged system; petroleum equipment; operating routine.
Fee: $45 paid in advance.
Prerequisite: Fibers and fabrics course.
Eligibility: Bona fide connection with member plant.

CORRESPONDENCE COURSE—SPOTTING TECHNIQUES

Subjects: Tools and equipment; spotting techniques and chemicals; identification and removal of spots and stains; fabric damage problems.
Fee: $45 paid in advance.
Prerequisite: Fibers and fabrics course.
Eligibility: Bona fide connection with member plant.

CORRESPONDENCE COURSE—SYNTHETIC DRYCLEANING

Subjects: Synthetic solvent; soaps and detergents; the charged system; synthetic equipment; operating routine.
Fee: $45 paid in advance.
Prerequisite: Fibers and fabrics course.
Eligibility: Bona fide connection with member plant.

New York School of Drycleaning, Inc.
116 East 27th Street, New York 16, N. Y.

Sponsored by: Neighborhood Cleaners Association.
Subjects: Principles and practices of drycleaning—spotting, fabrics and dyes, drycleaning, wetcleaning.
Duration: 80 hours, 10 weeks.
Fees: $150.
GI approved.

Public Schools, Association-Sponsored

Baltimore Vocational School for Drycleaning and Finishing
2614 Pennsylvania Avenue, Baltimore 17, Maryland

Conducted by: Department of Education, Division of Vocational Education, Baltimore, Maryland.
Sponsored by: Retail Cleaning Plant Owners, Inc. (Baltimore)
Subjects: Cleaning, wetcleaning and bleaching, spotting, finishing, storage, business practice and store management.
Duration: 1440 hours (52 weeks).
Dates: Students may enter at any time.
Fees: Nonveterans $50 month full-time, $25 month half-time, $15 month part-time, plus books.
GI approved.

Hadley Technical High School
3405 Bell Avenue, St. Louis, Missouri

Conducted by: Board of Education of St. Louis.
Sponsored by: St. Louis Dry Cleaners Exchange.
Subjects: Drycleaning, wetcleaning, silk and wool finishing, spotting, inspecting, sorting, bagging, related theory.
Duration: Day school—30 hours per week, 5 days per week. Evening school—4 hours per week, 1 night per week.
Dates: Fall and spring semesters.
Fees: Evening $9 per semester, day $9 per week. No charge for high school students.
Eligibility: Adults employed in industry, newcomers to industry, high school students.

Trade Schools and Colleges

Essex County Adult Technical School
222 Morris Avenue, Newark, New Jersey

Conducted by: Board of Education for the Essex County Vocational Schools.
Approved by: Wholesale Dyers and Cleaners Association.
Subjects: Related and technical drycleaning and spotting.
Duration: 1 year.
Dates: Fall and spring terms, 3 months each, 2 evenings per week.
Fees: No fee for those who work or live in Essex County. For others, $14 per term.
Eligibility: (A) Bona fide apprentices in drycleaning establishments; (B) employees in drycleaning industry.

Los Angeles Trade Technical Junior College
Spotting and Pressing
400 West Washington Boulevard, Los Angeles, California

Conducted by: Los Angeles Board of Education.
Subjects: Drycleaning (fundamentals only), silk and wool finishing, spotting, wetcleaning; practice and theory. Fabric analysis, busheling.
Duration: 10 months.
Dates: About September 1 to June 30.
Fee: Student body membership dues $10, plus small fee for materials.
GI approved.

North Georgia Trade and Vocational School
Clarkesville, Georgia

Subjects: Complete general drycleaning course. Spotting.
Duration: 12 months.
Dates: Enrollment at any time during year.
Fees: None for Georgia residents; out-of-state students $15 per month. Board, room and laundry $41 per month.
Eligibility: Minimum age 16, white. Both men and women. Out-of-state students eligible.
GI approved.

Oakland City College
Laney Campus, Trade-Technical
1001 Third Avenue, Oakland 6, California

Conducted by: Board of Education, Oakland.
Subjects: Spotting, pressing, ladies' tailoring.
Duration: Full school year of two semesters.
Dates: Regular school term.
Eligibility: Residents of Oakland or neighboring community.
GI approved.

School of Drycleaning Techniques
Central Technical School
275 Lippincott Street, Toronto, Ontario, Canada

Conducted by: Board of Education, City of Toronto.
Sponsored by: Dry Cleaners Institute (Ontario).
Subjects: All phases of modern drycleaning. Theory and practice.
Duration: (A) Day school, 2 years, includes general high school subjects, correlated to theory and practice of drycleaning; (B) evening course, two or three nights a week, drycleaning only.
Dates: (A) September through June; (B) October through March.
Fees: (A) None for Toronto residents, nonresidents fee on request; (B) $5 registration Toronto residents, $15 nonresidents.
Eligibility: (A) Grade VIII or equivalent; (B) employment in industry.

Harry E. Wood High School
501 South Meridian Street, Indianapolis 25, Indiana

Conducted by: Indianapolis Public School System.
Subjects: Drycleaning, finishing, sorting, marking, assembly, spotting.
Duration: 18 months (4 semesters).
Fees: None for Indianapolis residents; small fee for students from other parts of state.
Eligibility: Elementary education.

Correspondence School

Hubbard Drycleaning and Redyeing School
Route 3, Charlottesville, Virginia

Subjects: (A) General course (includes B, C, D and E). (B) Drycleaning. (C) Spotting. (D) Wetcleaning, bleaching and stripping. (E) Dyeing all materials. (F) Drycleaning and spotting. (G) Spotting and wetcleaning. (H) Drycleaning, spotting and wetcleaning. (I) Spotting, wetcleaning and dyeing. (J) Applied chemistry for cleaners.
Fees: (First figure cash; second installment payments) (A) $72.50, $87.50. (B, C or D) $32.50, $38.50. (E or F) $48.50, $57.50. (G) $38.50, $48.50. (H or I) $58.50, $68.50. (J) $50.00, $62.50.

FILMS FOR GROUP SHOWING

Drycleaning Industry

Title: After the Ball Was Over.
Subject: Public relations film dramatizing drycleaning skill, know-how and equipment.
Projection: 16 mm, sound, color, 23 minutes.
Produced by: Oklahoma Association of Cleaners and Dyers.
Distributed by: Arthur S. Davenport, Public Relations Counsel, Oklahoma Association of Cleaners and Dyers, 518 N. W. Third St., Oklahoma City, Okla. (Prints have been purchased by many state and local drycleaners' associations.)
Terms: Sale $250. (Prints not available for loan or rent outside of Oklahoma, except from associations.)

Title: Dollars at the Door.
Subject: Success story of drycleaner using Sanitone advertising materials.
Projection: 16 mm, sound, color, 22 minutes.
Produced by: Emery Industries, Inc.
Distributed by: Sanitone engineers.
Terms: Loan. Sanitone representative to be present at showing.

Title: Finishing of Pleated Trousers on a Utility Press.
Subject: Steps in one technique of trouser finishing.
Projection: 16 mm, sound, black-and-white, 13 minutes.
Produced by: National Institute of Drycleaning.
Distributed by: National Institute of Drycleaning, Silver Spring, Md.
Terms: Sale $25, or loan to NID members only. Borrower pays return postage. Available for instructional purposes.

Title: Finishing of Skirts on the Utility and the Offset Hothead Presses.
Subject: Steps in recommended skirt finishing technique.
Projection: 16 mm, sound, black-and-white, 13 minutes.
Produced by: National Institute of Drycleaning.
Distributed by: National Institute of Drycleaning, Silver Spring, Md.
Terms: Sale $25, or loan to NID members only. Borrower pays return postage. For instructional purposes.

Title: Formatic Shirt Unit.
Subject: Shirt finishing.
Projection: 16 mm, silent, black-and-white.
Produced by: The American Laundry Machinery Co., Cincinnati 12, Ohio
Distributed by: Local representatives, branch and division offices of The American Laundry Machinery Co.
Terms: Loan.

Title: Going to the Cleaners.
Subject: Management and production procedures for efficient plant operation.
Projection: 16 mm, sound, color, 18 minutes.
Produced by: Detrex Chemical Industries, Inc., and Excelsior Machinery Company.
Distributed by: Detrex Chemical Industries, Inc., Box 501, Detroit 32, Mich.; Excelsior Machinery Company, 6175 Vermont Ave., Detroit 8, Mich., or local distributor of Detrex-Excelsior equipment.

Title: The Latest Methods of Silk Finishing.
Subject: How to get best results from one-operator unit.
Projection: 16 mm, sound, color, 23 minutes; black-and-white, 25 minutes.
Produced by: Excelsior Machinery Company.
Distributed by: Excelsior Machinery Company, 6175 Vermont Ave., Detroit 8, Mich., or local distributor of Excelsior equipment.
Terms: Loan.

Title: Leave Less to Luck.
Subject: Soil removal and its research basis.
Projection: 16 mm, sound, color, 35 minutes.
Produced by: The Procter & Gamble Company.
Distributed by: Mr. D. E. Tuttle, Laundry Research Department, Procter & Gamble, Ivorydale 17, Ohio.
Terms: Loan.

Title: One Method of Finishing Sack Coats.
Subject: Steps in one technique of sack-coat finishing.
Projection: 16 mm, sound, black-and-white, 13 minutes.
Produced by: National Institute of Drycleaning.
Distributed by: National Institute of Drycleaning, Silver Spring, Md.
Terms: Sale $25, or loan to NID members only. Borrower pays return postage. Available for instructional purposes.

Continued on page 136

Continued from page 135

Title: Please Pass the Condensate.
Subject: Steam trapping for more production.
Projection: 16 mm, sound, color, 20 minutes.
Produced by: Yarnall-Waring Co.
Distributed by: Yarnall-Waring Co., Philadelphia 18, Pa.
Terms: Loan.

Title: Protecting Your Profits.
Subject: Equipment maintenance.
Projection: 16 mm, sound, color.
Produced by: The American Laundry Machinery Co.
Distributed by: Local representatives, branch and division offices of The American Laundry Machinery Co.
Terms: Loan.

Title: Selling Yourself.
Subject: Teaching counter girls and routemen to create better customer relationship.
Projection: 16 mm, sound, black-and-white, 25 minutes.
Produced by: Virginia-Carolina Laundry Supply Corp.
Distributed by: Virginia-Carolina Laundry Supply Corp., 212 W. Seventh St., Richmond 2, Va.
Terms: Sale to allied trades distributors $450; additional prints $100.
Also rented to plants and state associations $25; 72 hours time limit.
Customer pays return shipping charges.

Title: Trapping for Profit.
Subject: Trapping steam lines and steam processing machines for economical operation.
Projection: 16 mm, sound, 23 minutes.
Produced by: Armstrong Machine Works.
Distributed by: Armstrong Machine Works, 816 Maple St., Three Rivers, Mich., or local Armstrong representative.
Terms: Loan.

Title: The Two-Hour Miracle.
Subject: Consumer education film on modern drycleaning.
Projection: 16 mm, sound, color, 15 minutes.
Produced by: Fred A. Niles Productions, Inc.
Distributed by: E. I. du Pont de Nemours & Co., Inc., Wilmington 98, Del.; Detrex Chemical Industries, Inc., Box 501, Detroit 32, Mich.; Excelsior Machinery Company, 6175 Vermont Ave., Detroit 8, Mich., or local distributor of "Perclene," Detrex or Excelsior equipment.

Title: Uncle Henry Saves the Play.
Subject: Consumer education film, showing modern drycleaner as skilled clothing care expert.
Projection: 16 mm, sound, color, 16½ minutes.
Produced by: Dallas Jones Productions, for Dow Chemical Company.
Distributed by: Modern Talking Picture Service, Inc., 3 E. 54th St., New York 22, N. Y.
Terms: No charge except transportation.

Business—General

Title: The Easier Way.
Subject: Principles of motion study.
Projection: 16 mm, sound, black-and-white, 13 minutes.
Produced by: General Motors Corporation.
Distributed by: General Motors Corporation, 405 Montgomery St., San Francisco 4, Calif. (Western states); Department of Public Relations—Film Section, 1775 Broadway, New York 19, N. Y. (Metropolitan New York and Long Island); Department of Public Relations—Film Section, General Motors Bldg., Detroit 2, Mich. (other states).
Terms: Loan; shipped parcel post; user pays return postage only; express collect if requested.

Title: The Flow Process Chart and How To Use It.
Subject: Analysis of work operations.
Projection: 16 mm, sound, color, 1½ reels.
Produced by: Office of Scientific Research and Development.
Distributed by: United World Films, Inc., 1445 Park Ave., New York 29, N. Y.
Terms: Sale only: $96.64, less 10 percent to nonprofit organizations.

Title: The Invisible Receptionist.
Subject: Courteous, efficient handling of customers by switchboard attendants.
Projection: 16 mm, sound, black-and-white, 21 minutes.
Produced by: Bell Telephone System.
Distributed by: Any Bell System company in U. S. or Canada.
Terms: Loan.

Title: Selling America Today.
Subject: Benjamin Franklin on sales training.
Projection: 16 mm, sound, black-and-white, 35 minutes.
Produced by: General Motors Corporation.
Distributed by: See under "The Easier Way."
Terms: See under "The Easier Way."

Title: Small Business U.S.A.—The Story of Main Street.
Subject: Guidance of small business management based on case histories taken from files of Dun & Bradstreet, Inc.
Projection: 16 mm, sound, black-and-white, 30 minutes.
Produced by: Wilding Picture Productions, Inc.
Distributed by: Modern Talking Picture Service, Inc., 3 E. 54th St., New York 22, N. Y.
Terms: Free upon request to Dun & Bradstreet, Inc.

Title: Strange Interview.
Subject: Benjamin Franklin on employer-employee relations.
Projection: 16 mm, sound, black-and-white, 55 minutes. (Requires projector to handle 2000-foot, 17-inch reel. A 2000-foot take-up reel shipped with film. Also available on two 1200-foot reels.)
Produced by: General Motors Corporation.
Distributed by: See under "The Easier Way."
Terms: See under "The Easier Way."

Safety and Health

Title: Case for Color.
Subject: Use of paint and light to improve efficiency and morale.
Projection: 16 mm, sound, color, 2 reels.
Produced by: E. I. du Pont de Nemours & Co., Inc.
Distributed by: E. I. du Pont de Nemours & Co., Inc., Motion Pictures, Wilmington 98, Del.
Terms: Loan.

Title: Here's the Dope.
Subject: Route salesman ignores safety rules and lands in hospital.
Projection: 35 mm, sound slidefilm, black-and-white, 15 minutes.
Produced by: Zurich-American Insurance Companies.
Distributed by: Local Zurich Insurance Company agent. Write for name to Zurich-American Insurance Companies, 135 S. La Salle St., Chicago 3, Ill.
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Atlantic City, New Jersey March 5-8

All business sessions will be held in the Vernon Room of Haddon Hall.

WEDNESDAY, MARCH 4

12:00 noon—5:00 p.m. Registration, Lounge Floor, Haddon Hall

THURSDAY, MARCH 5

9:00 a.m.—9:00 p.m. Registration, Lounge Floor, Haddon Hall

2:00 p.m. Convention session. Presiding—Frederick E. Bowers, Lynn, Massachusetts, president, NID
Film, "Make No Little Plans"—Goodyear Tire and Rubber Company

2:30 p.m. Call to order, invocation, introduction of NID officers and directors and guests. Appointment of committees
Keynote address—President Bowers
"Business 1959"—John R. Bunting, business economist, Federal Reserve Bank of Philadelphia; lecturer on economics, Temple University
"Spirit of Service" award ceremony. Presentations by President Bowers
"Prestige Builders" award ceremony. Presentations by President Bowers. Speakers representing the winning firms or associations
"Selling a Favorable Image of Your Company"—Frank W. Lovejoy, Socony Mobil Oil Company

Evening "Streets of Paris" party

FRIDAY, MARCH 6

9:00 a.m.—12:00 noon Registration, Lounge Floor, Haddon Hall

9:00 a.m. Convention session. Presiding—Frank A. Prather, past president, NID
Film, "1104 Sutton Road"—Champion Paper and Fibre Company

9:30 a.m. "What Wash-and-Wear Means"—Dr. Donald F. Holmes, manager, Men's Wear Division, Textile Fibers Department, E. I. du Pont de Nemours and Company
"Ways To Care for Wash-and-Wear"—progress report on current studies by Home Economics Department, University of Maryland, and the National Institute of Drycleaning
Presiding—Dr. Dorothy S. Lyle, director of consumer relations, NID
General discussion—Miss T. Faye Mitchell
Report of store survey—Mrs. June Wilbur
Report of findings to date—Mrs. Eleanor Young
Report on drycleaner's production problems with wash-and-wear—Judd Randlett, manager, Institute Cleaning Plant
"We Use Wash-and-Wear To Build Drycleaning Volume"
Oscar Nielsen, Nielsen Dry Cleaners, Aurora, Nebraska; executive secretary, Nebraska Drycleaners Association
Ben Rosenfield, Chicago Drycleaners Association

12:00 noon—6:00 p.m. Registration, Main Floor, Convention Hall
Exhibit open, Convention Hall

Evening Fashion show, Carolina Room, Chalfonte Hotel. Presented in cooperation with National Cotton Council
Film, "Cotton—Nature's Wonder Fiber"

SATURDAY, MARCH 7

9:00 a.m.—12:00 noon Registration, Lounge Floor, Haddon Hall

9:00 a.m. Convention session. Presiding—Ray L. Vermeers, vice-president, NID
Film

9:30 a.m. "Look Good—You Sell Good Looks"—John Jay Daly, publicity manager, NID. Color slides illustrating principles of NID Motivation Report. Interview with Carl D. Franke, Jr., Paris Cleaners, Springfield, Illinois
"Glamor Up Front"—Sid Tuchman, Tuchman's Cleaners, Indianapolis, Indiana
"The Girl Up Front Is a VIP"—development of a training program
Phil Markowitz, Wellworth Cleaners, Newport News, Virginia
Mrs. Eleanor T. Hamilton, adult coordinator, Distributive Education Service, Newport News, Virginia
"What We Need Is Better Salespeople"—Paul Weitzel, Paul Weitzel's Cleaners, Wooster, Ohio
"How To Develop Your Sales Power"—Jeff Coats, president, Professional Sales Training Company, Akron, Pennsylvania

12:00 noon—6:00 p.m. Registration, Main Floor, Convention Hall
Exhibit open, Convention Hall

Evening Annual banquet and entertainment, Auditorium, Convention Hall

SUNDAY, MARCH 8

9:00 a.m.—12:00 noon Registration, Lounge Floor, Haddon Hall

9:00 a.m. Convention session
Film, "Case for Color"—Du Pont Company

9:30 a.m. "The Case of the Complaining Customer"—dramatic presentation
Mrs. Dorothy Matthai, merchandising manager, Baltimore Better Business Bureau; member, NID Textile Analysis Advisory Committee
Albert E. Johnson, director of trade relations, NID
W. Clay Hardin, chief analyst, NID
Thomas J. Donohoe, supervisor of sales training, NID
Narrator—William L. Browne, director of public relations, NID
"Who Knows What Quality Is?"—Charles R. Riggott, industrial engineer, NID
"What Research Means To Your Business"—Dr. Joseph R. Wiebush, director of research, NID, and research staff members
Drawing for grand prize
Annual business meeting and election of officers and directors

10:30 a.m.—6:00 p.m. Registration, Main Floor, Convention Hall

12:00 noon—6:00 p.m. Exhibit open, Convention Hall

EXHIBITORS' LIST

EXHIBITOR	BOOTH NO.
AA Laundry Machinery Co., 1110 S. Kedzie Ave., Chicago 12, Ill.	105
Abso-Clean Chemical Co., 6017 E. McNichols Rd., Detroit, Mich.	A-20
Ace Cabinet Corp., Dryer Div., 721 E. 139th St., New York 54, N. Y.	171, 172
Acme Nylon Products, Inc., 34 Walker St., New York 13, N. Y.	1
Adco, Inc., Sedalia, Mo.	371, 372 373
Ajax Pressing Machinery Co., Div. The American Laundry Machinery Co., 619 S. Fifth West St., Salt Lake City, Utah	250–253 300–303
Alton Mfg. Co., 1112 Ross Ave., Dallas, Tex.	881
American Cleaners Equipment Co., Ross & Section Aves., Cincinnati 12, Ohio	450–456 500–506
American Institute of Laundering, Joliet, Ill.	B-15, B-16
American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio	258–264 308–314
American Mothproofing Co., 2510 Hampton Ave., St. Louis 10, Mo.	458
American Permac, Inc., 713 Merrick Rd., Rockville Centre, N. Y.	825–828
American Standard Mfg. Co., 2509 S. Green St., Chicago, Ill.	D-3
American Trade Magazines, Inc., 21 W. Huron St., Chicago 10, Ill.	A-16
Anderson Collar Support Co., 1443 E. 120th St., Cleveland 6, Ohio	805
Anderson-Prichard Oil Corp., Liberty Bank Bldg., Oklahoma City 2, Okla.	16
Armour & Co., 1355 W. 31st St., Chicago, Ill.	526
Armstrong Machine Works, 917 Maple St., Three Rivers, Mich.	814
Arrow Cartons, Cockeysville, Md.	D-8
Arrow Mfg. Co., 2924 Terrace St., Kansas City 41, Mo.	307
Association Underwriters of America, Inc., 1413 Walnut St., Philadelphia 2, Pa.	A-13
Atlas Powder Co., Concord Pike & New Murphy Rd., Wilmington 99, Del.	358, 359
Automatic Launderer & Cleaner, 75 Third St., N. W., Atlanta 8, Ga.	A-21
Automatic Laundry Service, 3825 S. Hanover St., Baltimore, Md.	C-8, C-9
Benda Products, Inc., 120 Potter St., Cambridge 42, Mass.	A-1, A-2
Bessam Engineering, Cleveland Heights, Ohio	D-9
Bishop David Freeman Co., 1600 Foster St., Evanston, Ill.	10–15
Bock Laundry Machine Co., Toledo Factories Bldg., Toledo 2, Ohio	862–864
Boston Clip & Tag Co., 48 Grove St., Somerville, Mass.	255
Boyertown Auto Body Works, Boyertown, Pa.	122–125
G. A. Braun, Inc., 461 E. Brighton Ave., Syracuse, N. Y.	A-17, A-18
Butler Mfg. Co., 7400 E. 13th St., Kansas City 26, Mo.	465–471 515–521
Caled Products Co., Inc., 4200 Bladensburg Rd., Brentwood, Md.	850–852
Callaway Mills, Inc., 295 Fifth Ave., New York 16, N. Y.	50
Calusa Chemical Co., 2132 Sacramento St., Los Angeles 21, Calif.	C-13
Capital Poster Service, Inc., 307 Canal St., New York, N. Y.	405
Carry-Pack Co., Ltd., P. O. Box 56, Schiller Park, Ill.	108
Carson Textile Co., 2401 S. Swanson St., Philadelphia, 48, Pa.	306
Chandler Machine Co., West St., Ayer, Mass.	406
Chicago Dryer Co., 2210 N. Pulaski Rd., Chicago 39, Ill.	425–429
Cidex Corp., 44 Sherman Ave., Jersey City 7, N. J.	820
W. M. Cissell Mfg. Co., Inc., P. O. Box 1143, Louisville 1, Ky.	365–368 415–418
Clayton Mfg. Co., P. O. Box 550, El Monte, Calif.	878–879
Cleaners Hanger Co., 18140 James Couzens Highway, Detroit 35, Mich.	572, 573
Cleaners Sales & Equipment Corp., 25 Division Pl., Brooklyn 22, N. Y.	D-4, D-5
Cleaning & Laundry Age, 370 Lexington Ave., New York 17, N. Y.	B-2
Clear View Packaging Co., 8218 Stony Island Ave., Chicago 17, Ill.	54

EXHIBITOR	BOOTH NO.
Chevrolet Motor Div., General Motors Corp., Detroit, Mich.	178–181 228–231
Cleaners Service Co., 47 Vine St., Cincinnati 2, Ohio	D-12
Colgate-Palmolive Co., 300 Park Ave., New York, N. Y.	775
College Chemical Co., 16 Brooks Park, Medford, Mass.	C-1
Columbia Boiler Co. of Pottstown, Box 230, Pottstown, Pa.	168, 169
Columbia-Southern Chemical Corp., 1 Gateway Center, Pittsburgh 22, Pa.	578, 579
Commercial Heating Co., 648 N. Calhoun St., Fort Worth, Tex.	B-5
Concord Chemical Co., Inc., 205 S. Second St., Camden, N. J.	66
Continental Cleaning Equipment Corp., 218-54 Hempstead Ave., Queens Village 29, N. Y.	A-23
Cowles Chemical Co., 7016 Euclid Ave., Cleveland 3, Ohio	476, 477
Cravenette Co., U. S. A., Eighth & Madison Sts., Hoboken, N. J.	160
Cummings-Landau Laundry Machinery Co., Inc., 305 Ten Eyck St., Brooklyn 6, N. Y.	606, 607 608, 609
Davies-Young Soap Co., 705 Albany St., Dayton, Ohio	419, 420
Detrex Chemical Industries, Inc., P. O. Box 501, Detroit 32, Mich.	665–671 715–721
Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland 14, Ohio	158, 159
Diamond Wire Hanger Co., 252 State St., Clairton, Pa.	D-11
Dicalite Dept., Great Lakes Carbon Corp., 612 S. Flower St., Los Angeles 17, Calif.	822, 823
Dow Chemical Co., Main St., Midland, Mich.	421, 422
Draper-Eze Equipment Co., 110 E. Sixth St., Erie, Pa.	127
E. F. Drew & Co., 416 Division St., Boonton, N. J.	A-19
E. I. du Pont de Nemours & Co., Inc., 1007 Market St., Wilmington 98, Del.	204, 205
Eaton Chemical & Dyestuff Co., 1490 Franklin St., Detroit 7, Mich.	457
Egan Cotton Mills, P. O. Box 309, East Point, Ga.	B-20, B-21
Emery Industries, Inc., 4200 Carew Tower, Cincinnati, Ohio	B-7, B-8, B-9
Empire Cardboard Corp., Main & Maple Sts., Warehouse Point, Conn.	B-4
Essick Mfg. Co., 1950 Santa Fe Ave., Los Angeles 21, Calif.	67
Excelsior Machinery Co., 6175 Vermont St., Detroit 8, Mich.	807, 808 809
Fablok Mills, Inc., 46 Cordier St., Irvington, N. J.	424
Henry Fisher Replacement Service, 1366 Eastmoreland, Memphis, Tenn.	B-6
Flow-Master Machine Corp., 634 Dean St., Brooklyn 38, N. Y.	327, 328
Forse Corp., P. O. Box 639, Anderson, Ind.	650–656 700–706
Foster-Stephens, Inc., 310 S. Christiana Ave., Chicago 24, Ill.	3, 4
Fulton Boiler Works, Inc., P. O. Box 122, Pulaski, N. Y.	224, 225
Fumol Corp., 49-65 Van Dam St., Long Island City 1, N. Y.	870
Gailyn Packaging Corp., 1475 Southern Blvd., Bronx, N. Y.	C-2
Garment Finishing Equipment Corp., 18 Brattle St., Cambridge 38, Mass.	355, 356
Gasway Corp., 6463 Ravenswood Ave., Chicago 26, Ill.	678, 679
Gibraltar Fabrics, Inc., 254 36th St., Brooklyn 32, N. Y.	A-14, A-15
Bill Glover, Inc., 5204 E. 15th St., Kansas City 1, Mo.	210, 211
Goldman Pressing Machine Co., 400 W. Broadway, New York 12, N. Y.	117, 118 119
Great Lakes Carbon Corp., 612 S. Flower St., Los Angeles, Calif.	822, 823
H. Greenwald Co., 1340 Metropolitan Ave., Brooklyn, N. Y.	D-1
Gross Machinery Co., Inc., P. O. Box 46, Hertel Sta., Buffalo 16, N. Y.	200, 203
Guardian Better Pak Corp., 30 E. 21st St., New York, N. Y.	D-10
The Guide, 316 Peachtree St., N. E., Atlanta 8, Ga.	65
Joseph Guss & Sons, Inc., 623 H St., N. W., Washington, D. C.	672, 673
Walter Haertel Co., 2840 Fourth Ave., S., Minneapolis 8, Minn.	5, 6
Hammond Laundry-Cleaning Machinery Co., P. O. Box 1160, Waco, Tex.	750–752 800–802
Hercules Powder Co., 900 King St., Wilmington, Del.	527
Hild Floor Machine Co., Inc., 1217 W. Washington Blvd., Chicago, Ill.	A-6

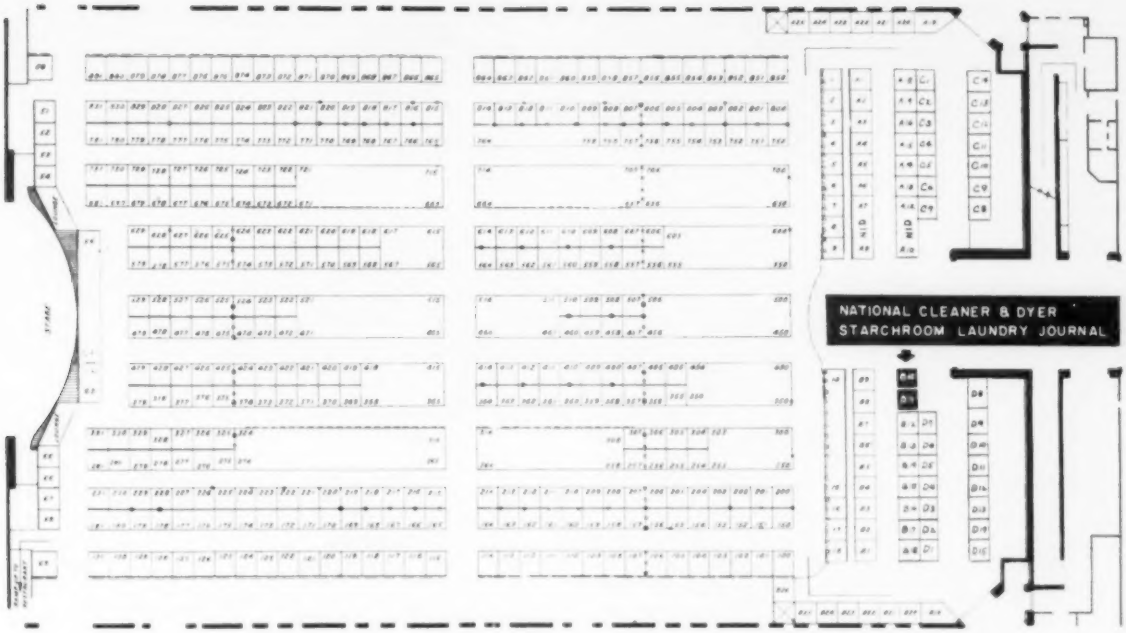
PULL OUT

Exhibitors' List

(Continued)

EXHIBITOR	BOOTH NO.
Hobade Associates, Inc., 22 Kirkpatrick St., New Brunswick, N. J.	277
Holtzman-Kain Advertising, 59 E. Van Buren, Chicago, Ill.	D-2
Hope Chemical Corp., 545 Mineral Spring Ave., Pawtucket, R. I.	729
Hoyt Mfg. Corp., Forge Rd., Westport, Mass.	853–856
Huebsch Mfg. Co., 3775 N. Holton St., Milwaukee 1, Wis.	565–567 615–617
Identification, Inc., 1736 S. Michigan Ave., Chicago, Ill.	875, 876
International Harvester, 180 N. Michigan Ave., Chicago, Ill.	128–131
Lawrence Jacobson Dye Works, Summerdale & Comly Sts., Philadelphia 49, Pa.	857–859
Jayson's, Div. of Jayson Silk Mills, 2144 N. 57th St., Philadelphia 31, Pa.	817
Jensen Mfg. Co., Broad St. & Hylton Rd., Palmyra, N. J.	2
Johns-Manville Sales Corp., 22 E. 40th St., New York 16, N. Y.	753, 754
Johnson Chemical Industries, 99 Mellor Ave., Baltimore 28, Md.	B-17
Keever Starch Co., 538 E. Town St., Columbus, Ohio	674, 675
Kenston Corp., 800 Third Ave., Brooklyn 32, N. Y.	722, 723
Keyes-Davis Co., 74 14th St., Battle Creek, Mich.	577
Key-Tag Checking System Co., 6508 Hough Ave., Cleveland 3, Ohio	874
Kisco Boiler & Engineering Co., 2414 DeKalb St., St. Louis 4, Mo.	100–102
Kleentest Laboratories, 940-950 Ohio River Blvd., Pittsburgh, Pa.	B-3
Kliegman Bros., Inc., 76-01 77th Ave., Brooklyn 27, N. Y.	676, 677
Kling "100" Corp., 2840 N. Birch St., Franklin Park, Ill.	872, 873
H. Kohnstamm & Co., Inc., 161 Ave. of the Americas, New York, N. Y.	220, 221
Kordite Corp., Main St., Macedon, N. Y.	156, 157
Kwik Kover Sales Co., 410 N. Kedzie, Chicago 12, Ill.	153
W. A. Laidlaw Wire Co., Peoria, Ill.	758
Lamson Corp., Lamson St., Syracuse 1, N. Y.	278, 279
W. T. Lane & Bros., Inc., Prospect St., Poughkeepsie, N. Y.	257
Larton Products Co., Inc., 4234 Third Ave., New York 57, N. Y.	116
P. M. Lattner Mfg. Co., P. O. Box 1710, Cedar Rapids, Iowa	325, 326
Laundercenter Corp., 62-11 35th Ave., Woodside 77, N. Y.	120
Launder-Matic Age, 40 E. 41st St., New York 17, N. Y.	C-12
Laundry & Cleaners Allied Trades Assn., 95 Liberty St., New York 6, N. Y.	C-11
Laundryall Corp., 323 Hudson St., Hackensack, N. J.	68
L. M. Leathers' Sons, 675 Pulaski St., Athens, Ga.	C-14
Le Fevre Chemical Co., 1639 W. Main, Oklahoma City, Okla.	A-22
Lever Bros. Co., 390 Park Ave., New York 22, N. Y.	C-3
Liberty Marking Tag Co., Inc., 27 Hooper St., Brooklyn 11, N. Y.	226, 227
Lincoln Bag Co., Inc., Para-Lux Products Co., 4200 W. Schubert Ave., Chicago, Ill.	507–510
Lookout Boiler & Mfg. Co., Manufacturers Rd., Chattanooga, Tenn.	866–868
M.A.F.S. Corp., 53-07 Van Dam St., Long Island City 1, N. Y.	69
M & B Metal Products Co., 4415 Morris Ave., Birmingham, Ala.	C-10
Magic-Seal Paper Products, P. O. Box 1766, Denver 1, Colo.	B-12, B-13 B-14
Manitowoc Cotton Goods Mfg. Co., 909 York St., Manitowoc, Wis.	524, 525
Manitowoc Engineering Corp., S. 16th St., Manitowoc, Wis.	350–354 400–404
William J. Manz Equipment Co., 21 N. W. Ninth Ave., Fort Lauderdale, Fla.	821
Marion Mfg. Co., Inc., 875 Kirkwood Ave., S. E., Atlanta 16, Ga.	757
Marlow Pumps, Div. Bell & Gossett Co., P. O. Box 200, Midland Park, N. J.	806

EXHIBITOR	BOOTH NO.
Marlyn Chemical Co., Inc., P. O. Box 166, Lakeview, Ohio	725
Marquette Appliances, Inc., Minneapolis, Minn.	D-15
Martin Equipment Co., Div. American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio	53–63
Mathco Chemical Co., 3855 E. 78th St., Cleveland 5, Ohio	126
Maytag Co., Newton, Iowa	877
McDonnell & Miller, Inc., 3500 N. Spaulding Ave., Chicago 18, Ill.	280
Meese, Inc., 108 St. Michaels Ave., Madison, Ind.	810
Mehl Mfg. Co., 2057 Reading Rd., Cincinnati 2, Ohio	478, 479 528, 529
Mercury Cleaning System, Inc., 1817 Benson Ave., Evanston, Ill.	474, 475
Merson Products Co., 63 Essex St., Jersey City, N. J.	871
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis 8, Minn.	812, 813
Model Packaging Corp., 257 Darrow Rd., Akron 5, Ohio	880
Montpelier Mfg. Co., Montpelier, Ohio	D-13, D-14
Morris & Eckels, Inc., 400 S. Eutaw St., Baltimore 1, Md.	154
Motorola, Communications & Electronics, Inc., 4501 W. Augusta Blvd., Chicago 51, Ill.	177
Multi-Clean Products, Inc., 2277 Ford Parkway, St. Paul 16, Minn.	357
National Cash Register Co., Main & K Sts., Dayton 9, Ohio	A-3, A-4 A-5
National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y.	B-10, B-11
National Cleaners Chemical Mfg. Co., 2807 W. Lake St., Chicago, Ill.	103, 104
National Combustion Co., 101-06 43rd Ave., Corona 68, N. Y.	771, 772
National Indemnity Exchange, 3820 Washington Blvd., St. Louis 8, Mo.	773
National Institute of Drycleaning, Silver Spring, Md.	A-7, A-12
National Marking Machine Co., 4026 Cherry St., Cincinnati 23, Ohio	150–152
Newhouse Specialty Co., Inc., 3827 San Fernando Rd., Glendale 4, Calif.	610, 611
New York Pressing Machinery Corp., 880-888 Broadway, New York 3, N. Y.	562–564 612–614
W. H. Nicholson & Co., 12 Oregon St., Wilkes-Barre, Pa.	461–464 511–514
Norman Control Co., Inc., Box 372, Cary, Ill.	778
Norton & Williams, Inc., 608 North Ave., E., Westfield, N. J.	622, 623
P & H Industries, Inc., P. O. Box 14325, Dallas 34, Tex.	869
Pantex Mfg. Corp., P. O. Box 660, Pawtucket, R. I.	657–664 707–714
Pellerin Milnor Corp., P. O. Box 7313, New Orleans, La.	765–770
Pennsalt Chemicals Corp., 3 Penn Center, Philadelphia 2, Pa.	561
Per Corp., Box 305, Orange, N. J.	624, 625
Perfo Plastics, Inc., 1240 Webster Ave., New York 56, N. Y.	161
Pinnacle Products Corp., 188 Tarrytown Rd., Elmsford, N. Y.	829, 831 779–781
Piolet Button & Novelty Corp., 2537 Amsterdam Ave., New York 33, N. Y.	626
Pittsburgh Tag Co., 1112 Galveston Ave., Pittsburgh 33, Pa.	254
Pre-Marked Strip Tag Co., P. O. Box 2430, San Diego 12, Calif.	B-24
Procter & Gamble Distributing Co., P. O. Box 599, Cincinnati 1, Ohio	114
Prosperity Co., 125 Marcellus St., Syracuse 1, N. Y.	265–274 315–324
Quality Products Co., 5760 W. Grand Ave., Chicago 39, Ill.	256
Railex Corp., 634 Dean St., Brooklyn 38, N. Y.	329–331
Reed Bros., Inc., 1460 Haddon Ave., Camden, N. J.	726, 727
Reliable Machine Works, Inc., 238 Eagle St., Brooklyn 22, N. Y.	218, 219
Rema Corp., Ruby St., Norwalk, Conn.	568, 569
Resillo Press Pad Co., 6950 N. Central Park Ave., Chicago 45, Ill.	369, 370
Rosenthal Mfg. Co., 5033 N. Kedzie Ave., Chicago 25, Ill.	374
F. H. Ross & Co., 1649 W. Morehead St., Charlotte, N. C.	375, 376
Sak-Rak Co., 601 Cole Ave., Monroe, La.	51, 52
Sayve Co., 2270 Seymour Ave., Cincinnati, Ohio	62, 63



EXHIBITOR	BOOTH NO.
Fred H. Schaub Engineering Co., 2110 S. Marshall Blvd., Chicago, Ill.	824
Morey Seldin Machinery Corp., 5999 E. 56th St., Indianapolis, Ind.	803, 804
Shields Engineering & Mfg. Co., 277 E. 156th St., Cleveland 10, Ohio	B-22, B-23
Signal Chemical Mfg. Co., Inc., 5020 Richmond Rd., Bedford, Ohio	222, 223
Small Equipment Co., Div. American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio	759–764
Smith Bros. Co., Box 126, Plymouth, N. C.	B-18
X. S. Smith, Inc., P. O. Box 272, Red Bank, N. J.	170
Soalco Products Co., Inc., 5-7 Saddle River Ave., Garfield, N. J.	110
Solon Meters, Inc., 115 L St., S. E., Washington 3, D. C.	121
Southern Mills, Inc., 585 Wells St., S. W., Atlanta, Ga.	620, 621
Speed Check Co., Inc., 542 Courtland St., N. E., Atlanta 8, Ga.	472, 473 522, 523
Speed Queen, Div. of McGraw-Edison Co., Doty St., Ripon, Wis.	627–629
Spix Products Co., 119 Dahlem St., Pittsburgh 6, Pa.	B-1
Stadham Co., Inc., 1825-31 N. 20th St., Philadelphia 21, Pa.	459, 460
Stamford Chemical Co., 45 Jefferson St., Stamford, Conn.	B-25, B-26
Standard Financial Corp., 530 Fifth Ave., New York 36, N. Y.	724
Sta-Nu Corp., 5101-15 Sheridan Rd., Chicago 40, Ill.	377–379
Starchroom Laundry Journal, 305 E. 45th St., New York 17, N. Y.	B-10, B-11
Stauffer Chemical Co., 380 Madison Ave., New York 17, N. Y.	53
Steamaster Automatic Boiler Co., 5819 Compton Ave., Los Angeles 11, Calif.	109
Steele Canvas Basket Co., Inc., 199 Concord Turnpike, Cambridge 40, Mass.	155
Sterling Supply Corp., 1-35 Porter St., Philadelphia 48, Pa.	304, 305
R. R. Street & Co. Inc., 561 W. Monroe St., Chicago 6, Ill.	7, 8, 9 865
Stry-Lenkoff Co., 815-821 E. Market St., Louisville 6, Ky.	281
Super Laundry Machinery Co., 1113 Cornelia Ave., Chicago 13, Ill.	818, 819
Samuel Taubman & Co., 176 Madison Ave., New York 16, N. Y.	728
Technical Tape Corp., Garment Bag Div., 240 North Ave., New Rochelle, N. Y.	276
Textile Marking Machine Co., 2204 Erie Blvd., E., Syracuse, N. Y.	111–113
Thompson & Sons, Inc., 8130 W. 47th St., Lyons, Ill.	115

EXHIBITOR	BOOTH NO.
Tillery Container Corp., 6000 Wilson Ave., Kansas City 23, Mo.	811
Time Savers, Inc., 83-99 Walnut St., Montclair, N. J.	173–176
Tingue, Brown & Co., 1765 Carter Ave., New York 57, N. Y.	774
Tops Mothproofing, Inc., 2642 Locust St., St. Louis 3, Mo.	778
Tower Chemicals, Inc., P. O. Box 102, Glenshaw, Pa.	B-19
Troy Laundry Machinery Div., American Machine & Metals, Inc., East Moline, Ill.	815, 816
UniMac Co., 723 Ponce de Leon Pl., N. E., Atlanta 6, Ga.	574, 575 576
Unipress Co., Inc., 2800 Lyndale Ave., S., Minneapolis 8, Minn.	550–555 600–605
United Brass Works, Inc., Randleman, N. C.	730, 731 680, 681
United Business Publications, 10 E. 40th St., New York 16, N. Y.	17, 18
Vic Mfg. Co., 1313 Hawthorne Ave., Minneapolis, Minn.	410–414 360–364
Wallerstein Co., Inc., 180 Madison Ave., New York 16 N. Y.	423
Warco Laboratories, 13609 S. Normandie, Gardena, Calif.	208, 209
Washex Machinery Corp., 192 Banker St., Brooklyn 22, N. Y.	556–560
Western Boiler Engineers, Inc., Dallas, Tex.	D-6, D-7
Western Laundry Machinery Co., 420 E. 10th St., North Kansas City 16, Mo.	165–167 215–217
West Side Corp., 177 E. 123rd St., New York 35, N. Y.	206, 207
Allen White Paper Corp., 414 W. 33rd St., Norfolk, Va.	776, 777
Whitehouse Nylon Products, 360 Furman St., Brooklyn 1, N. Y.	755, 756
White Machine Co., Inc., 14th St. & Lafayette Ave., Kenilworth, N. J.	162–164 212–214
Wichita Precision Tool Co., Inc., 450 N. Seneca St., Wichita 12, Kans.	407–409
Willco Sales Co., 2918 Southwest Blvd., Kansas City, Mo.	860, 861
Willys Motors, Inc., 940 N. Cove Blvd., Toledo 1, Ohio	106, 107
A. L. Wilson Chemical Co., 38 Passaic Ave., Kearny, N. J.	C-7
Wyandotte Chemicals Corp., Wyandotte, Mich.	618, 619
Zeidler Mfg. Co., Inc., 633 Concord Ave., Mamaroneck, N. Y.	A-24, A-25
Sam Zeoli, Inc., 705 Second Ave., New York 16, N. Y.	C-4, C-5, C-6
Zimmerman Products, 2519 Burnet Ave., Cincinnati 19, Ohio	570, 571
Zuckerberg Co., 87 Franklin St., New York 13, N. Y	275

First IN DRY CLEANING APPROVED SANITONE SERVICE

newsletter

Here is the biggest single-month campaign ever run in the history of the Dry Cleaning Industry. A full page, 4-color ad tieing-in Sanitone dry cleaning with famous Kuppenheimer Clothes and British Woollens, top quality names in the clothing and fabric fields. Appearing in April issues of LADIES' HOME JOURNAL and SATURDAY EVENING POST. (In Canada, in the Reader's Digest.) Combined readership: over 35,000,000.

What's behind all of this? First, the demonstrated value of Sanitone's new cleaning agent 30-90*, with the built-in finish. It led to the interest of these famous manufacturers in this cooperative effort. Their investigations proved to them (a) the reputation of the Sanitone Dry Cleaner was tops and (b) Emery backs its Licensees with comprehensive research, plus big-league merchandising. Also Sanitone Dry Cleaners are nation-wide, the only group organized to bring the message of quality dry cleaning to a significant group of consumers.

Results from Sanitone 30-90, the latest product of Emery Research, make such advertising support possible. And new Sanitone 30-90 has other advantages, too: fewer classifications in cleaning, freedom from fabric transfer, faster, easier pressing, and a look and feel of newness obvious to your customers.

Write today for complete information.

First IN DRY CLEANING APPROVED SANITONE SERVICE

*Patents Pending

Sanitone Dry Cleaning Service

A DIVISION OF EMERY INDUSTRIES, INC. • CAREW TOWER, CINCINNATI 2, OHIO

SEE US AT NID SHOW—ATLANTIC CITY, N. J.—MAR. 5-8, 1959

BOOTHS 360 to 414

VIC'S FULL *LINE* ASSURES YOU A FULL *WALLET!*

Here's why:

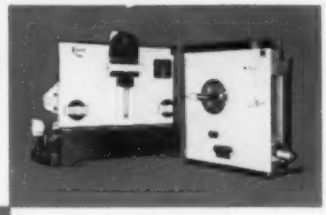
If you deal with a company that makes *just a few* models of drycleaning equipment, they might yield to temptation and sell you something either too small for your needs, or too big and costly for your operation.

Either way, that sort of deal *empties* your wallet instead of filling it!

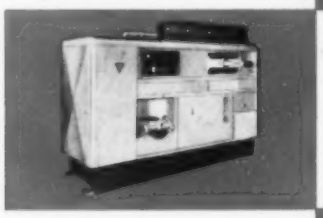
BUT if you buy from VIC, who makes a *complete line*—you know you'll get equipment engineered to *your needs*—because VIC makes models to fit every size and kind of operation, and doesn't have to stretch the truth to make the sale.

In fact, VIC engineers will analyze your needs, make your plant layout, help you work out your accounting, advertising and production systems . . . because they're dedicated to just ONE IDEA . . . to help your business grow.

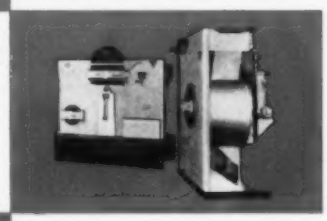
Why settle for less than a FULL WALLET . . . and a growing, profitable business? Call your Vic jobber or write us, today!



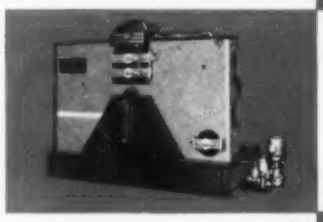
VIC KOMET
Model 105
50 lbs. per load



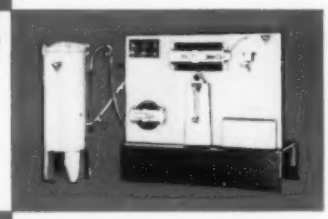
VIC AUTO PER
Model 22
36 lbs. per load
Hot unit



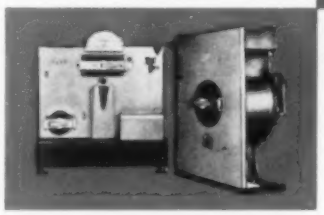
VIC ECONO
Model 59
40 lbs. per load
Automatic or manual



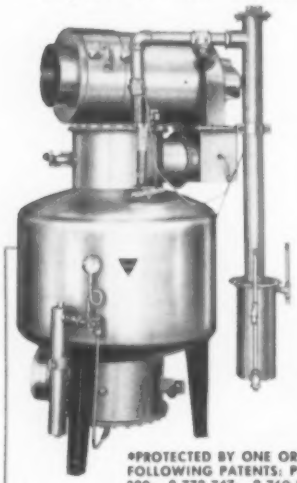
VIC CENTURY
Model 42A
100 lbs. per load



VIC SOLVIC
Model 23A
For 140°F. of petroleum
Up to 48 lbs. per load
Automatic or manual



VIC KRESTVIC
Model 32CM
20 to 25 lbs. per load
Automatic or manual



VIC MANUFACTURING COMPANY
1313 HAWTHORNE AVENUE • MINNEAPOLIS 3, MINNESOTA

CAPACITIES FROM 20 TO 100 LBS. PER LOAD • SALES AND SERVICE IN ALL PRINCIPAL CITIES

COMBINE THE VIC *Mileage Booster*†

To any of the above VIC Cleaning Machines —and you get quality cleaning at ½¢ per lb. or less!

†PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENTS: Pat. No. 2,480,-320; 2,772,747; 2,760,594. Canadian Pat. No. 470,085 and other Patents applied for in U. S. and Foreign Countries.

MAKE US PROVE THIS STATEMENT! — WRITE DEPT. MN-109

Make Money with the Original Repellent

People Prefer Old Friends!

What is your principal asset? Some people might suggest that your plant and equipment are your main asset, but you know better. You know that your principal asset is the good name you have made for yourself, and the customers who, as a consequence, come back.

In the water repellent field the big name is "*Cravenette*". You have known it all your life, and your customers have known it all their lives. It is a name that people trust. You will find that with this service more people will want their garments reprocessed for rain repellency.

"*Cravenette*" enjoys public confidence because it is a quality service—spray ratings of 100 percent have been awarded by the finest of laboratories. Also you can get such results with either petroleum or chlorinated solvents, regardless of the method of cleaning you use.

You get a quality merchandising service, also, to help you sell. Send the coupon below and have us show you the possibilities.

WRITE - - - PHONE - - - WIRE

The Cravenette Company, U.S.A.

60 Romanelli Avenue, South Hackensack, N. J.
HUbbard 9-6775

Since 1887 the world's leading producer of water repelling preparations for garment fabrics

The Cravenette Co., U. S. A.
60 Romanelli Avenue, South Hackensack, N. J.
Gentlemen:
Please send me full information about your newest water repellent usable with all types of charged systems

Name _____

Company _____

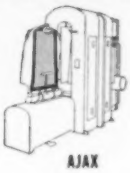
Street address _____

City _____ State _____

Resillo

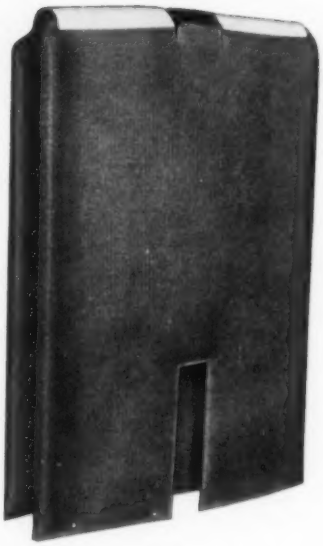
MONELO and FLAMONEL
(MONEL — FLANNEL)
PADS

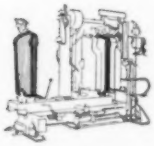
Be sure to visit Booths 369-370 at the N.I.D. Convention, Atlantic City—March 3-8

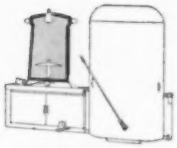

AJAX

for maximum production, utmost economy
and highest quality finishing
from high production presses.

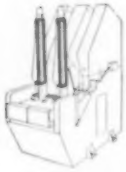
. . . the most perfect, permanent-type
padding combination for *all* the **upright and cabinet bosom-body and sleeve presses!**

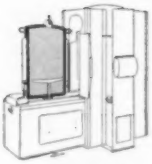


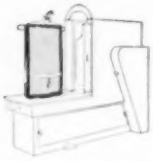

AMERICAN


FORSE

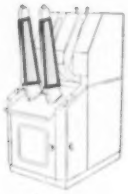
AJAX


AMERICAN


PROSPERITY


UNIPRESS

PROSPERITY


UNIPRESS

Engineered and developed by *Resillo*

All pads designed and manufactured
in exact accordance with
press manufacturers' specifications.
All are backed by the well known
Resillo guarantee.

If you have the press . . . Resillo has the pad!

YOUR RESILLO TRAINED JOBBER WILL MAKE A FREE SURVEY OF YOUR PRESSES. ***CONTACT HIM NOW!***

WORLD'S LARGEST EXCLUSIVE MANUFACTURERS OF METAL

Resillo PRESS PADS

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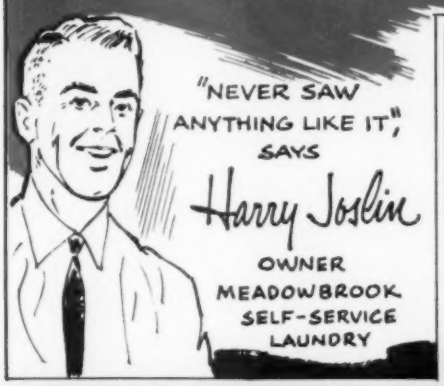
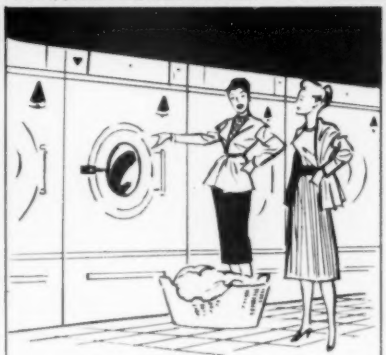
"How HOYT Westport II Tumbler-Dryers Attract Customers . . .

EVERYBODY WANTS 'LOADTROL'"





"THOSE BIG WESTPORT II DRYERS ARE SURE FAVORITES WITH MY CUSTOMER-FRIENDS. AND THEY'RE IN USE AROUND THE CLOCK... YOU CAN ALWAYS DEPEND ON THEM. HOYT DESIGNS THESE DRYERS RUGGED AND SIMPLE SO THEY STAND UP AND CAN BE MAINTAINED BY ANY HANDYMAN. IT WAS MY LUCKY DAY WHEN I BOUGHT THOSE WESTPORT II'S."

USE THE COUPON TO FIND OUT MORE ABOUT THE SURPRISING NEW FEATURES OF THE WESTPORT II WITH CONTROLLED TUMBLING (PAT. PENDING). YOU PAY NO MORE TO GET THESE FEATURES. COMPLETE WITH METER AND ALL FEATURES, THE WESTPORT II IS PRICED AT ONLY $555.

HOYT MANUFACTURING CORP.
14 Forge Road, Westport, Massachusetts

Please send me illustrated bulletin describing your Westport II Dryer.

Name.....
Title.....
Company.....
Address.....
City..... *State*.....

HOYT AUTOMATIC DRYERS, RECLAIMERS AND CHILLERS

of all spotting agents

RSR

is the only one that COMPLETELY removes albuminous stains

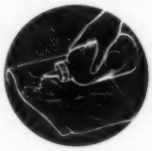
new larger jar for greater economy

AND IT IS SO VERSATILE!

USE IT IN:

bath method for wet cleaning

dipping method for large stained areas



prespot re-run method for the board

RSR a product of
WALLERSTEIN COMPANY
Division of Baxter Laboratories, Inc.
180 Madison Avenue, New York 16, N. Y.

New, Complete Maytag Coin-operated Laundry Package

helps you open new stores...re-vitalize old ones!

The new Maytag Coin-operated Laundry Package is designed to help you open flourishing new coin laundry stores, or put profitable new life into old stores (either conventional or coin-operated).

MAYTAG'S 7 SPECIAL SERVICES GET YOU STARTED FAST!

1. Financial help—Successful coin-laundry case histories help you chart a clear financial course. Well-known success of coin laundry operations makes borrowing easy. Only a moderate down payment is required.

2. Selection of buildings, locations – A proved method of rating locations—based on hundreds of successful cases—assures the best possible location for your store. Complete facts on building sizes, types, parking, traffic flow potential, etc.

3. Technical know-how—Specific information on water systems, electrical service requirements, plumbing facilities, hardness of water in local area, and many other vital facts.

4. Advertising – You are supplied with a complete advertising service, including illuminated outdoor signs, colorful window displays, advertising mats and layouts, handbills, interior decoration, instructional signs.

5. Promotion—You have access to our idea file on proved successful promotion activity. These are the promotions that can multiply your traffic flow overnight.

6. Grand opening—You get full facts on conducting a grand opening "spectacular," proved successful and personalized to suit your needs.

7. Equipment – Most important, the washability and dependability of the new Maytag Coin Washer is the cornerstone of profitable coin laundry operation. Its 20 built-in features – checked and approved by coin laundry operators and distributors—give you a rugged, tamperproof washer that's foolproof to use. Equipment includes Maytag Gas or Electric Coin Dryers, plus heavy-duty commercial dryers, water systems, high-profit vending equipment for bleaches, detergent, etc.

For further information on Maytag's complete Coin Laundry Package, mail coupon below. Start improving your profit picture now.

Visit Booth 877 at Atlantic City

MAYTAG

MAIL NOW FOR FULL INFORMATION!

The Maytag Company, Newton, Iowa, Dept. NCD-3

Gentlemen: Please rush me full information on the Maytag Coin-operated Laundry Package, and on new Maytag Coin Washers and Dryers.

NAME .....

ADDRESS .....

CITY ..... ZONE ..... STATE .....

Another Adco first!

★★★ TRIPLE STRENGTH ★★★

"KLEAN"

Super activated carbon

it's WHITE-GLOVE clean

in sparkling polyethylene bags!

MAKES ADCO'S MIRACLE METHOD MOST EFFICIENT, EASIEST TO USE!

Eliminates distillation without detergent loss, Quality Greatly Improved-Cost cut by 30%

For the first time in drycleaning history all clarification of your solvent is done while you are cleaning by the use of the Miracle Carbon KLEAN. Your solvent is pure and clean in the beginning and is kept that way continuously as you clean through the use of KLEAN in your filter.

KLEAN works perfectly in either petroleum or synthetic solvent systems.

NO REDEPOSITION — NO GRAYING — NO SWALES — NO COLOR — NO LOSS OF DETERGENT. Make Adco prove to you in your plant that Adco "Miracle Method" cleans faster, better and much more economically than any other method.

Adco, INC., SEDALIA, MO., U.S.A.

VISIT ADCO BOOTHS 371-372-373 at the N.I.D. CONVENTION

Packaged in NEW dispenser-type carton!

CASE PRICE:
$21.60 east of Mississippi
$22.40 west of Mississippi
65 packages to the case!
(Adco pays freight on three cases or more.)

ADCO'S MIRACLE METHOD OF CLEANING WORKS PERFECTLY IN ALL CONDUCTIVITY AND HUMIDITY CONTROLS!

For Petroleum Solvent Plants		Perchlorethylene Plants
XXXDRI-SHEEN	DOUBLE STRENGTH	PERK-SHEEN
PLUS		PLUS
"KLEAN"		"KLEAN"

"Klean" is a soft vegetable-type carbon *not* a hard mineral-type carbon.
This means no filter pressure, and much more adsorptive powers for *much* less cost!

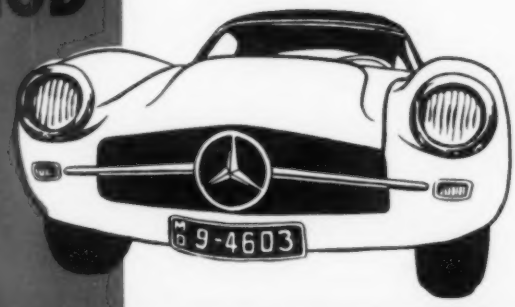
CAN USE IN 1% TO 4% CHARGE

RINSING COMPLETELY ELIMINATED!

OUR NEW METHOD

of

Streamlined



GARMENT DYEING *is different*

as different — as a new model car!

New collodion treatment controls shrinkage. End point rinsing and color fastness. No frayed linings or open seams. Everything shaped and stretched.

. . . . . .

Glove cleaning, leather and suede cleaning, reweaving, flame proofing, water proofing and pillow renovating expertly done in our plant.

FAST PARCEL POST SERVICE ANYWHERE IN THE U. S.

Price List and Other Information Sent upon Request.

Lawrence Jacobson Dye Works, Inc.

"Particular Dyeing for Particular People"

Summerdale and Comly Streets, Philadelphia 49, Pa.

Member of American Association of Textile Colorists and Chemists

which drying cabinet

is best for your plant?

Your drying cabinet selection will depend on the job to be done.

But regardless of type, you should select a HOPKINS. Drying cabinets made by HOPKINS combine more features and more *exclusive* features, for the money than any other kind.

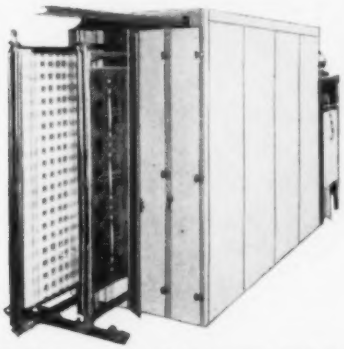
Cabinets for every use, in any plant, in any size are included in the HOPKINS line. More HOPKINS drying cabinets have been sold than all other makes combined.

See your nearest equipment jobber or send the coupon for more complete information on the cabinets in which you are interested.

Hopkins
EQUIPMENT CO.
Hatfield, Pa.

Hopkins
Drymaster Cabinet.
Exclusive "up-draft" Heatmaster unit, and double steel wall with triple "aircel" insulation between. *Also available with sliding doors.*

Hopkins
Red Line Cabinet.
Quality features at a low price. Non-insulated. Famous Hopkins heating unit.



Hopkins *Drymaster* Cabinet, combined with *Squareway* Curtain and Blanket Stretchers.

HOPKINS EQUIPMENT CO.
Hatfield, Pa.

Please send me information and prices on the Hopkins line of drying cabinets.

NAME.....

COMPANY.....

ADDRESS.....

YOUR JOBBER.....

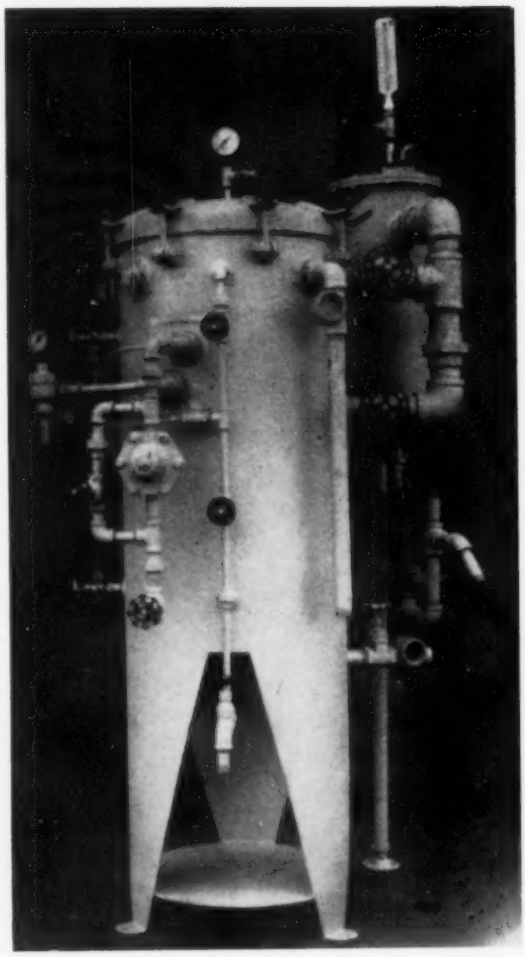
END FILTER CLEANOUTS . . .

Save Up To 25% On Solvent

The NEW MAFS COOKER and STILL Offers You These Big Advantages . . .

- **Filter powder transferred by circulation**
- **No motors, pumps, gears, screens, air compressors, aftercoolers or steam chests to worry about**
- **Bridging and clogging completely eliminated**
- **The only still with self cleaning coils**
- **Solvent and soap drained before cooking**
- **Filter pressure kept to a minimum**
- **Uses your present filter—no additional filter required**

Jobber inquiries invited

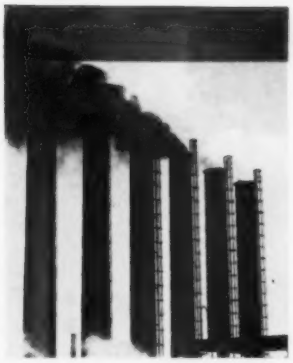


Examine The MAFS COOKER and STILL—
See The Difference

Look For It At The
Atlantic City Convention—Booth #69

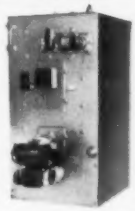
MAFS CORP.

53-07 VAN DAM ST., LONG ISLAND CITY 1, NEW YORK



MORE STEAM FOR EVERY FUEL DOLLAR . . . ONE OF SEVERAL BONUS PERFORMANCE EXTRAS IN A COLUMBIA H.R.T.* GAS OR OIL-FIRED BOILER. The larger heating surface in these boilers PLUS rapid-heating refractory surface PLUS extra-thick insulation in the combustion chamber and gas passage . . . produce a HIGHER OUTPUT of DRYER STEAM for every dollar spent for fuel.

This is one of Columbia's important BONUS PERFORMANCE EXTRAS that add up to sizeable yearly savings. Columbia's proven design, simplified construction and conventional type gas burning equipment and controls eliminate the necessity for specialized or expert service. And complete, clean combustion results in less cleaning and, of course, Columbia's lower maintenance costs. For additional facts about Columbia's Bonus Performance EXTRAS, just fill in and mail the coupon. No obligation, naturally.



THE COLUMBIA GAS OR OIL-FIRED TANKLESS INDIRECT WATER HEATER

1. More hot water per dollar invested . . . and for every dollar spent for fuel. 2. 200 to 1000 G.P.H., continuously at 100° rise. 3. Indirect heating with coils made of heavy gauge integral finned rolled copper insures clean, rust-free water supply. 4. Insulated jacket available as an optional extra. 5. ASME code constructed. 6. WATER HEATER GUARANTEED for 10 years.

COLUMBIA BOILER CO. of POTTSTOWN
Pottstown, Pa., Dept. NCD-39

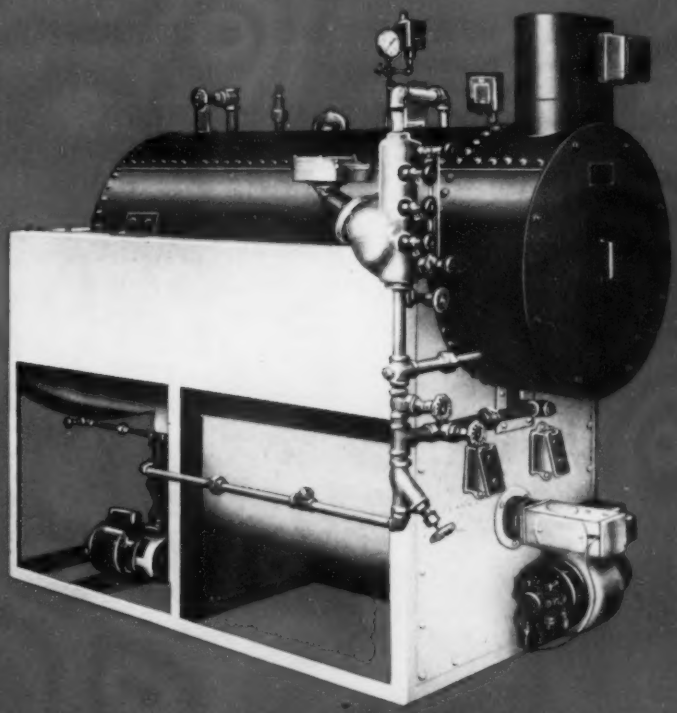
Please send me your free booklet giving performance facts on and possible savings with the Columbia H.R.T. boiler ☐ Include data on the Tankless Indirect Water Heater.

Firm Name_____

My Name_____ Position_____

Address_____

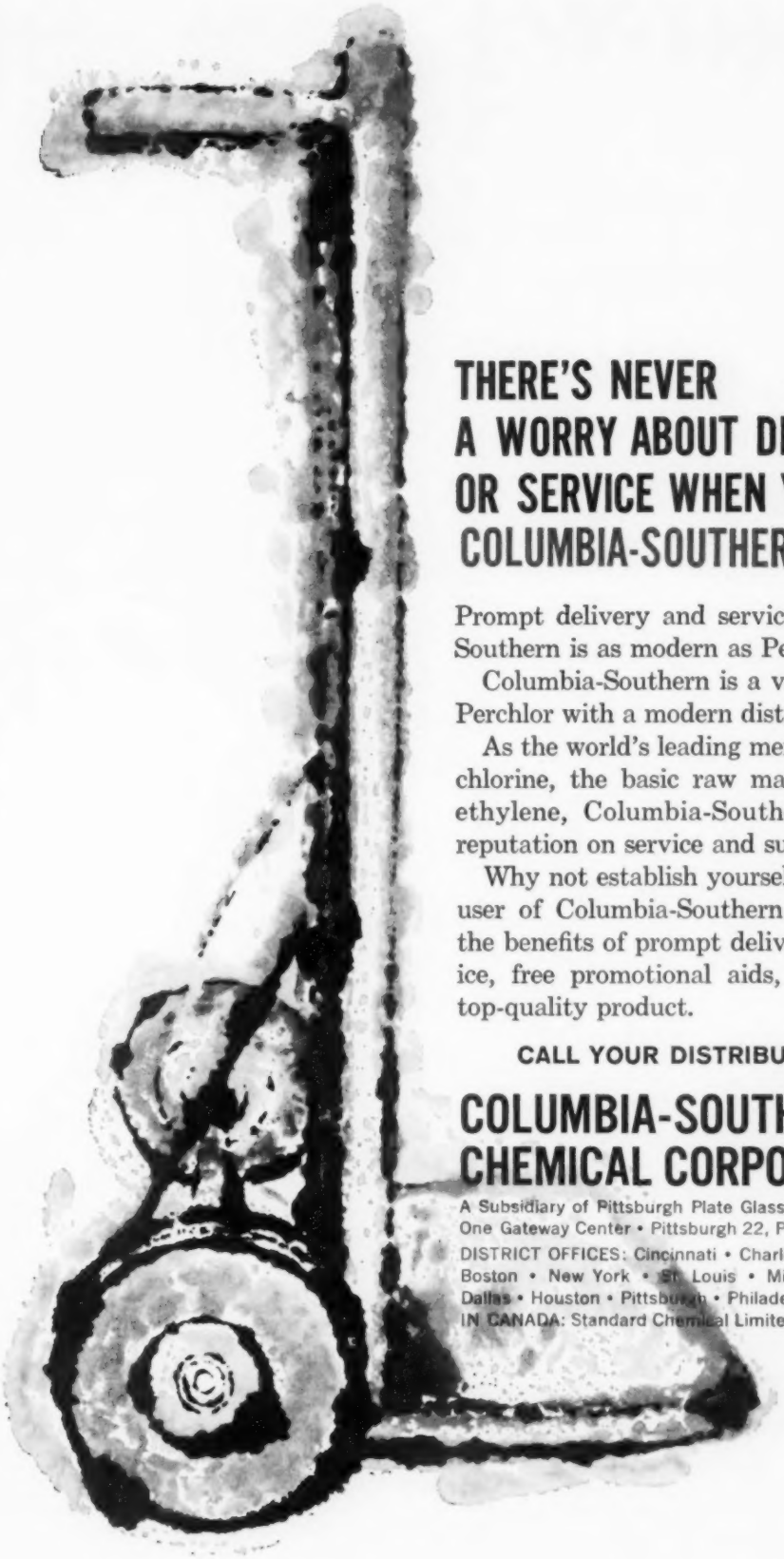
COLUMBIA



*Horizontal Return Tubular Type. Suitable for firing by gas, light or heavy oil, or for interchangeable firing by gas or oil. Available in sizes from 2 to 100 HP.

COLUMBIA BOILER CO. of POTTSTOWN • Factory & Offices: Pottstown, Pa.

KISCO SALES SOAR TO NEW HEIGHTS
THAT'S PROOF of Quality ... Service ... Satisfaction
Again In '59 It's
KISCO
THE RECOGNIZED LEADER FOR
• WATER SOFTENERS
• BOILERS
• RETURN SYSTEMS
• WATER FEEDERS
• UNIT HEATERS
What's your problem? Write!
KISCO CAN HELP YOU SOLVE IT
WATER SOFTENER
CABINET BOILER
2 DRUM "HI-EF" STEEMATIC BOILER
RETURN TO BOILER SYSTEM
See Us At The Show at Atlantic City
BOOTHS 100 101 102
INDUCED DRAFT BLOWER
UNIT HEATER
STEEMATIC BOILER
Kisco Boiler & Engineering Co.
2400 DE KALB ST.
ST. LOUIS 4, MO



THERE'S NEVER A WORRY ABOUT DELIVERIES OR SERVICE WHEN YOU ORDER COLUMBIA-SOUTHERN PERCHLOR

Prompt delivery and service from Columbia-Southern is as modern as Perchlor itself.

Columbia-Southern is a volume producer of Perchlor with a modern distribution system.

As the world's leading merchant-producer of chlorine, the basic raw material in perchlorethylene, Columbia-Southern has built its reputation on service and supply.

Why not establish yourself now as a regular user of Columbia-Southern Perchlor and get the benefits of prompt deliveries, helpful service, free promotional aids, and of course, a top-quality product.

CALL YOUR DISTRIBUTOR TODAY!

COLUMBIA-SOUTHERN CHEMICAL CORPORATION

A Subsidiary of Pittsburgh Plate Glass Company
One Gateway Center • Pittsburgh 22, Pennsylvania

DISTRICT OFFICES: Cincinnati • Charlotte • Chicago • Cleveland
Boston • New York • St. Louis • Minneapolis • New Orleans
Dallas • Houston • Pittsburgh • Philadelphia • San Francisco
IN CANADA: Standard Chemical Limited

DRYCLEANERS!

Whether You Use
PETROLEUM Solvent or PERC--

BOOTH A-21

--Is a MUST for You at the Convention!
That's where You'll find . . .

EX·IT®

CONTROLS ALL ODORS:

- SOLVENT ODOR
- BODY ODOR
- MILDEW
- SMOKE ODOR
- URINE ODOR

LE FEVRE CHEMICAL COMPANY

1639 West Main • Oklahoma City, Oklahoma

SOLD BY ALL LEADING JOBBERS

ENGINEERED FOR

INCREASED OUTPUT

- Heavy Duty New Type Air Clutch and Air Brake for Smooth Vibrationless Cycle Changes
- Heavy Duty Outboard Self Aligning Pillow Block Bearings
- One Piece Main Shaft Through the Machine front to rear

"The Workhorse"

WASHER-EXTRACTOR FOR LAUNDRY & DRY CLEANING

This unit furnished in manual operation, single and two bath systems. Equipped with a Weir that utilizes valves and air cylinder.

Any Size or Type Stainless Laundry Washers Built to Specifications.

AA LAUNDRY MACHINERY CO.
1112 S. Kedzie Avenue, Chicago 12, Ill.

SUPERIOR COLORS • SUPERIOR SURFACE
SUPERIOR DURABILITY

PLANT OPERATORS and SUPPLY JOBBERS:

SPECIFY *Permafiber*

for every kind of identification system. It costs no more to buy tags of PERMAFIBER and no other tag stock assures such complete, trouble-free service.

TAG MANUFACTURERS:

USE *Permafiber*

Our warehouse inventory of Marking Tag Stock is the biggest and most complete. PERMAFIBER Marking Tag Stock is available for prompt shipment at all times, thereby benefiting everybody concerned with identification tags.

Permafiber Corporation

450 SEVENTH AVENUE • NEW YORK 1, N. Y.

WORKS LIKE MAGIC!

ALWAYS AND ALL WAYS

Perfect performance . . . complete availability . . . make PERMAFIBER the Marking Tag Stock most used by manufacturers of Laundry and Dry Cleaning Tags, Identification Systems and Salesbook Forms—on the record of tonnage produced and sold! PERMAFIBER has everything a tag stock should have—every time—to work like magic! There is no better assurance of satisfaction for the ultimate user . . . no better assurance of profitable sales by the jobber . . . no better safeguard for the reputation of the tag maker . . . than the use of PERMAFIBER.

DEPEND ON *Permafiber*

THE CONTROL-TESTED MARKING TAG STOCK

for SUPPLY as well as perfect PERFORMANCE. Tag Makers, Supply Jobbers, Plant Operators and Users interested in the adaptability of PERMAFIBER for any type of Marking Tag, Sales Book and Invoice Form or Identification System are invited to write for information and samples.

Certified by

THE AMERICAN INSTITUTE OF LAUNDERING

The only Marking Tag Stock continuously Tested and Certified since 1948 by the A.I.L. for Durability and Color-Fastness! Not a single sheet or roll of any new making of Permafiber is ever shipped until samples from that particular lot have gone through the A.I.L. tests . . . with flying colors!

AMERICAN INSTITUTE OF LAUNDERING CERTIFIED WASHABLE

SEE OTHER SIDE . . .

Permafiber

DELIVERS MAGIC PERFORMANCE

ON THREE VITAL COUNTS

SUPERIOR SURFACE: *Blurred or Washed Out Printing Markings* are eliminated by a new, non-oily surface that takes ink swiftly, holds it indefinitely, does not blur or "feather" the markings through diffusion.

SUPERIOR COLORS: *Bleeding Colors* are no problem with *color-fast* PERMAFIBER . . . *the only Marking Tag Stock* CERTIFIED as COLOR-FAST by THE AMERICAN INSTITUTE of LAUNDERING!

SUPERIOR DURABILITY: Tags made of PERMAFIBER defy the harshest laundry and dry cleaning processes . . . give you the highest score on these four major tests: *Stand up* in strongest solutions or solvents . . . *won't tear,* shred or disintegrate in processing . . . *won't break* at fastening point . . . *stay with the garment* from start to finish.

THREE REASONS WHY

Permafiber

is *first* for all different types of Laundry and Dry Cleaning Tags as well as all styles of Identification Systems, including

SALES BOOK AND INVOICE FORMS

You can depend on PERMAFIBER for a Perfect Performance *Always . . . and All Ways* for superior quality and availability.

This 2-page insert is printed on PERMAFIBER MARKING TAG STOCK with ordinary printing ink (NOT for testing purpose.) To sample the effectiveness of PERMAFIBER, tear on dotted line and attach it to a garment to be put through your process. See how quickly and easily it takes marking ink . . . and how clear the markings remain for easy reading.

Permafiber Corporation

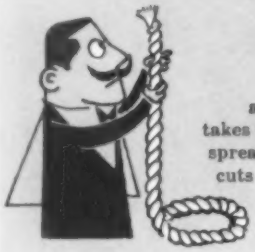
450 SEVENTH AVENUE • NEW YORK 1, N. Y.

DEPENDABLE

as a Magician's wand. PERMAFIBER is scientifically controlled and continuously tested. With PERMAFIBER, you can be sure of perfect performance every time . . . month after month, year after year. AND, PERMAFIBER carries a huge inventory of Marking Tag Stock at all times—available for prompt shipment!

COLORFUL

as a Hat full of Hankies. You get nine brilliant colors to work with, plus sparkling *Bright White* . . . enough color for the most intricate Identification System. Every shade absolutely COLORFAST . . . no running, bleeding or ruined garments—*your protection* against costly claims.



SMOOTH

as the Indian rope trick. Smooth, non-oily finish takes to ink more swiftly, holds it indelibly, prevents spreading or blurring through excessive absorption, cuts losses due to washed-out or illegible markings.

VERSATILE

as a genie. PERMAFIBER Marking Tag Stock is equally adaptable to the simplest unprinted tag or most complicated sales book forms. PERMAFIBER comes in four weights—all colors and a variety of roll and sheet sizes, all in stock always.

STURDY

as a crystal ball. PERMAFIBER marking tags are tough and strong, resist hardest laundry and cleaning processes . . . won't tear or get lost during processing, won't break at the fastening point.

ECONOMICAL

as a deck of cards. PERMAFIBER does thousands of tricks, saves manufacturing costs, processing costs and uncountable expense caused by lost tags, illegible markings, color stains from running colors, and many more . . . yet PERMAFIBER *costs no more than ordinary Marking Tag Stock!*

year after year—
hundreds of operators

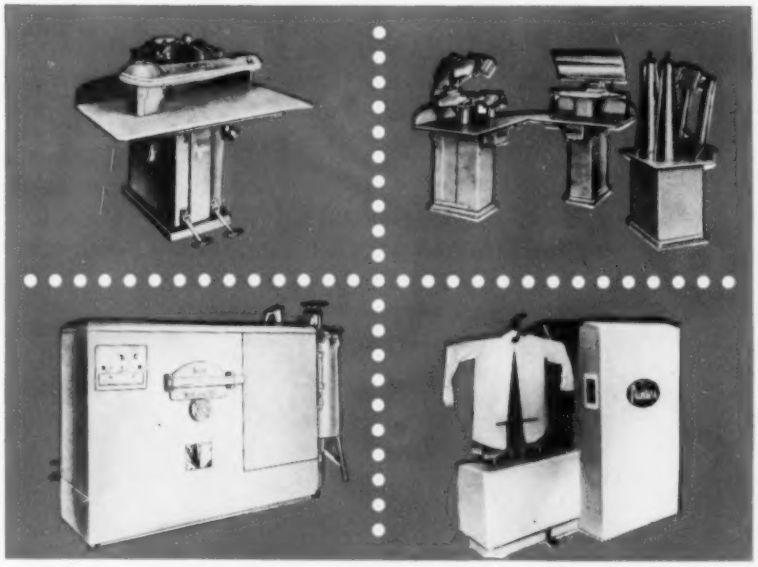
BOOST PRODUCTION

as much as **40%**

using the **COMPLETE PANTEX LINE**

want proof?

—*here's how*—merely by using a balanced production layout (provided free by Pantex) that includes the famous *Perk-O-Matic (the industry's simplest-operating drycleaning unit)* and the Pantex *"Hydro-Air"* Press *(the industry's dependable, high-speed production press) plus* — other fast, cost-cutting Pantex equipment such as the "Shirt-O-Matic" Cabinet Body Press! For proof of the possibilities in your plant, write today.



Pantex Layout Service has long been known as the finest, most authoritative source of cost-cutting production techniques in the industry... yours for the asking!

Pantex

See famous Pantex profit-producers at the A.I.L. & N.I.D. Exhibits Booth #657-664 and 707-714, Atlantic City, March 3-8, 1959.

MANUFACTURING CORPORATION, Pawtucket, R. I.

6-347

more than ordinary Marking Tag Stock!

Completely control free

...with NEW J-M

New Hysweet*, by Johns-Manville, is the first sweetener ever to provide complete control over free fatty acid levels in drycleaning solvents . . . *and* slash detergent losses at the same time!

NO MORE FATTY ACID BUILD-UP

In any system, Hysweet selectively adsorbs only the undesirable free fatty acids . . . eliminates free fatty acid build-up in a solvent better than any other sweetener or sweetener-substitute available today.

CUT DETERGENT LOSSES

In charged systems, Hysweet removes practically no detergent from solvents . . . even less than is taken out by activated carbon.

REDUCE DISTILLATION

Hysweet lets you operate for almost indefinite periods with little or no distillation. Meanwhile, it keeps filter pressure down throughout each operating cycle.

USE IT WITH HYFLO

For best results, Hyflo* filter aid should always be used with Hysweet. Together, the two permit longer cycling and sweeter solvent, free of both solubles *and* insolubles.

JOHNS-MANVILLE

fatty acids...*and* save money

HYSWEET

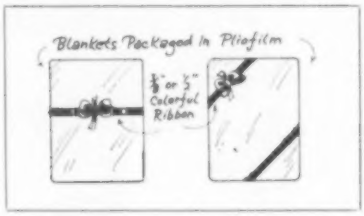
For the location of your nearest Hyflo-Hysweet dealer, write today. Johns-Manville, Box 14, New York 16, N. Y. In Canada, Port Credit, Ontario.

*Hyflo and Hysweet Trade Marks Reg. U. S. Pat. Off.

JOHNS-MANVILLE JM PRODUCTS

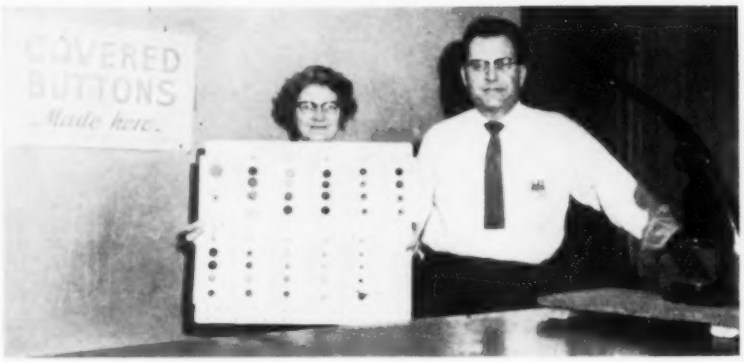
BUSINESS BUILDERS

"Gift-Wrapped" Blankets



This plant does a beautiful packaging job on blankets. They are wrapped in pliofilm and tied with half-inch-wide cellophane ribbon inside the pliofilm. What makes it distinctive is the way the ribbon is placed. Instead of tying it once around the middle in the manner of a shirtband, the owners have taken a tip from an outside industry. As on a candy box, the ribbon crosses two opposite corners of the blankets at about a 45 degree angle. There's even a fancy little bow to really dress it up. Even once across the middle of the blanket is a nice touch.

Covered-Button Service Brings in Traffic



Jones Cleaning Service of Vicksburg, Mississippi, was spending time and money having buttons made by a sewing machine company to replace lost or damaged buttons. The plant decided to add a button-covering service at the plant and do its own work, invested in a button-making machine and trained an employee to operate it. Jones also makes custom belts.

According to Clyde Jones, since the service was put in the firm has not once been unable to match a lost or damaged button. It keeps a stock of over 1,000 buttons on hand, too. The service has brought a lot of traffic to the plant and has gained new drycleaning customers, as well as being profitable in itself.

Continued on page 170

NEW BRIGHTNESS FOR OLD WORK

You can quickly earn the reputation of "the best drycleaner in town" by getting more snap and brightness into older garments, draperies, slip-covers, etc.

A new drycleaning detergent Spix BRITONE-B, enables you, in drycleaning, to impart the optical brightness of new fabrics to older work. BRITONE-B is used either as a regular detergent or as an additive, in which case it reinforces the cleaning action of the regular detergent.

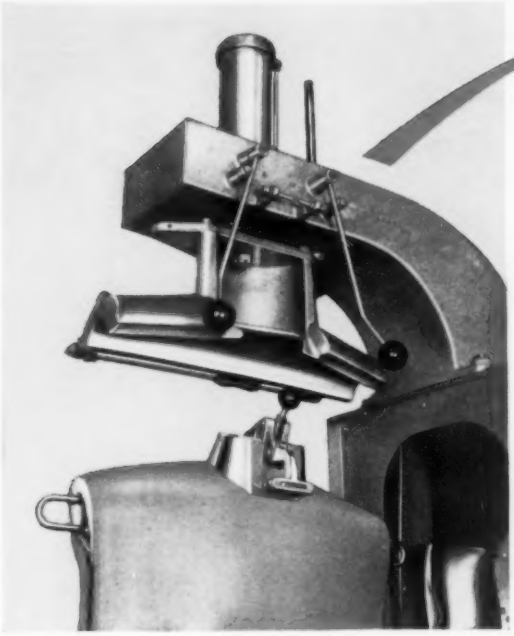
On new work BRITONE-B has the effect of holding the original brightness and sparkle which is normally lost in the course of wear and repeated drycleaning. BRITONE-B is sold through regular distributors: for literature write Desk NC SPIX PRODUCTS COMPANY, 119 Dahlem St., Pittsburgh 6, Pa.

SPRAY-AWAY METHOD ENDS LINT

Drycleaners with linting problems (and who hasn't!) can now save dollars on brushing and vacuuming. New and improved Spix NO-LINT banishes lint simply by spraying on the work in the tumbler. And it eliminates shocking during sorting.

New NO-LINT provides stronger anti-static action than has hitherto been possible, and it is completely effective on mixed loads. New formula NO-LINT is non-corrosive and it is easy to apply. Drycleaners across the country report that it costs less than a penny-a-load to use NO-LINT, in contrast to the dollars wasted in hand-brushing a single garment. NO-LINT is sold through regular distributors: for information write Desk NC SPIX PRODUCTS CO., 119 Dahlem St., Pittsburgh 6, Pa.

Advertisement

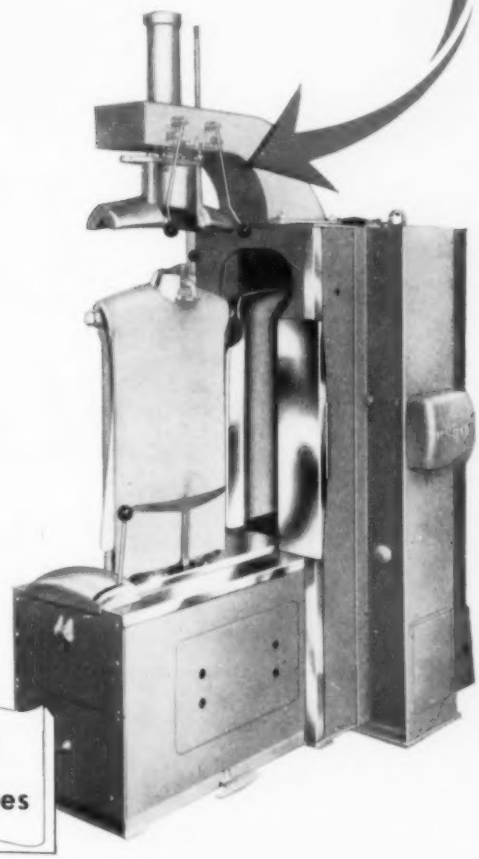


NEW

PROSPERITY®

Cabinet Body Press with

YOKE IRONING ATTACHMENT



- Makes your shirt finishing department a tighter, more compact, flexible unit!
- High speed operation for top production with minimum operator function!
- 3 Girl – 2 Girl – 1 Girl Operation . . . folding inside or outside of the unit!
- Yoke Ironing Attachment is integrated with cabinet body press . . . eliminates separate yoke press!
- Maintains "overlap" ironing!
- A single form presses all regular Men's shirt sizes from 14 to 18!

INTERESTED?

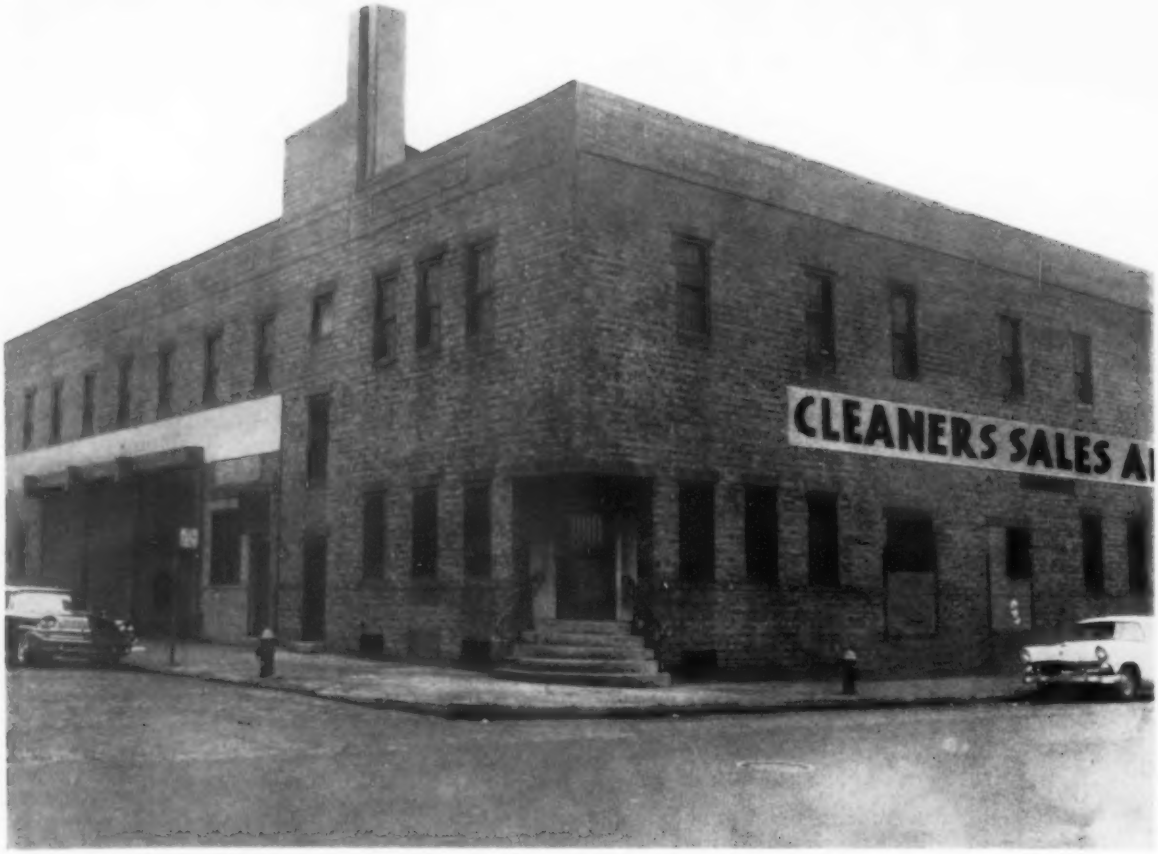
Find Us Fast
In The
Yellow Pages

The PROSPERITY® Company

DIVISION OF WARD INDUSTRIES CORPORATION

FACTORY AND GENERAL OFFICES, SYRACUSE, N.Y. — SALES AND SERVICE BRANCHES IN ALL PRINCIPAL CITIES

Copyright 1959. The Prosperity Company



NOTICE

WE ARE NOW LOCATED AT 135 KENT AVE.
CORNER NORTH SIXTH ST.
BROOKLYN 11, N. Y.
PHONE STagg 2-2400

CLEANERS SALES AND EQUIPMENT CORP.

CATERING TO THE LAUNDRY AND DRYCLEANING INDUSTRIES FOR OVER 30 YEARS

If You're Interested in Promoting Sales * * *

VISIT OUR BOOTHS AT THE ATLANTIC CITY CONVENTION NUMBERS D-4 and D-5

Factory-trained and factory-directed Laundry and Dry Cleaning sales and service engineers strategically located in a nation-wide network to give you immediate help on:

- **Planning of Entire Laundry and Dry Cleaning Set-ups**
- **Equipment Selection**
- **Integration of New with Existing Equipment**
- **Supervision of Installation**
- **Training of Operators**
- **Maintenance Procedures**
- **Equipment Repair**
- **Parts Replacement**

From the moment you call, your Prosperity man is working on your problem. Service reps are rerouted . . . parts are sped to you from the complete stock in each service and parts depot of Prosperity's nationwide network.

Because service and parts must be considered in every machine purchase, make sure that every piece of equipment you buy is backed by swift, competent service and a nearby source of factory parts. *Before you buy, ask:*

EXCLUSIVE NATIONAL DISTRIBUTOR *RCA-WHIRLPOOL COIN-METERED WASHERS

Find Us Fast In The Yellow Pages

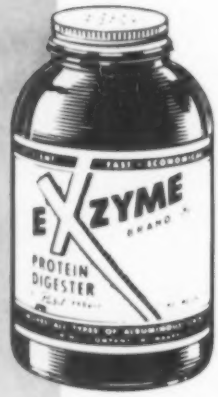
The PROSPERITY® Company

DIVISION OF WARD INDUSTRIES CORPORATION

FACTORY AND GENERAL OFFICES, SYRACUSE, N.Y. — SALES AND SERVICE BRANCHES IN ALL PRINCIPAL CITIES

*Trade-mark RCA authorized by owner.

Copyright 1959, The Prosperity Company



Exclusive to the Dry Cleaning Trade

EXZYME®
PROTEIN DIGESTER

Removes all types of albuminous stains

Safe for fabrics — use in the bath, on the board, efficient, economical and effective protein spot and stain remover. Take advantage of free offer below.

PABST BREWING COMPANY
Industrial Products Division
Merchandise Mart • Chicago 54, Illinois

Opposite Corner, More Business

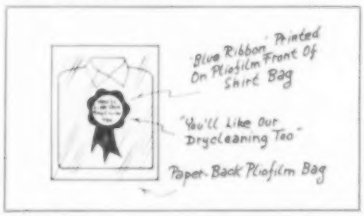
A different corner at the same intersection will draw different business, A. J. Vick has found in Pensacola, Florida. Vick's Cleaners (top photo) stands on the northwest corner of a busy intersection. On the northeast corner is his branch drive-in (bottom photo) under the name of Sparkle Cleaners. With the same quality of work, same prices, same service, they draw business from different sectors of the city!

Mr. Vick hadn't planned this setup. But when he learned a competitor was trying to lease the filling station on that northeast corner, he bought the property. He already has to deal with another competitor's branch on the southwest corner. It was his intention to hold the property until he found a noncompetitive buyer.

Meanwhile, to earn some income from it, he opened this branch drive-in under a different name, after painting and patching up the former gas station. This soon proved to be a paying proposition in its own right, even though Vick's didn't seem to be losing any volume at the plant office. An added benefit is the fact that the separate name permits testing promotions without involving the whole operation.

Continued from page 166

Blue Ribbon Shirts



Shirts at a West Coast plant are packaged in paper-backed pliofilm shirt bags. The front of the bag is printed with an impressive big blue ribbon which reads: "You'll like our drycleaning, too!"

De Luxe Wooden Hangers

When customers pay extra prices for de luxe cleaning service they like to know they're getting something "extra" for the money.

Wooden coat hangers make a big impression on customers at Morrison Cleaners, New Orleans, Louisiana. Made of molded wood, shaped to fit the natural shoulder line, these hangers are used on all cashmere coats and suits processed in the plant's hand-finishing department. They are purchased locally from a Swedish import firm for approximately 17 cents each. During the peak seasons the plant uses about 100 wooden hangers per week.

"Drycleaned" Style Show

An "all drycleaned style show" was staged recently by Mrs. Rose Adamowski of Salzburg Dry Cleaners, Bay City, Michigan. The display included 52 garments of various types that had been cleaned by Salzburg, modeled by their owners.

The garments included wedding gowns, formals, knit dresses, jackets, leather coats, hunting and skiing outfits, Borgana coats, children's clothes, sack dresses, wash-and-wear garments, men's outerwear and a 24-year-old suit. Many of the attendees did not seem to realize the variety of services offered by drycleaners and Salzburg gained many new customers as a result of the promotion.

Trouble-free service for you . . .
Better service for your customers!

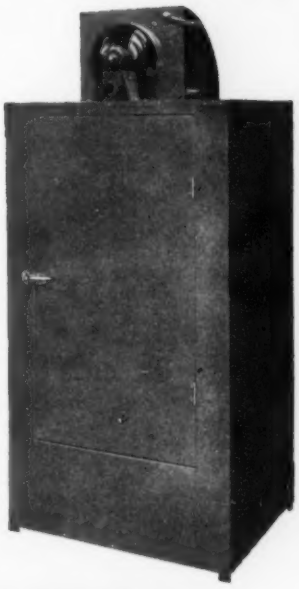
HUEBSCH
dry cleaning TUMBLERS

Whether you use one Huebsch Tumbler . . . or fifty, as some dry cleaning plants do . . . you *know* that fast, efficient, *dependable* operation is always assured. And because famous Huebsch Tumblers do such a good job, your finished work has the quality that keeps customers coming back for more and more!

IN 4 SIZES
36"x18"
36"x24"
36"x30"
42"x42"

HUEBSCH BAGGERS

Note the specially shaped knob that prevents tearing plastic bags. It's just one of many reasons why Huebsch Baggers are a *must* for every dry cleaning plant and store. Light in weight, Huebsch Baggers can quickly be moved to any convenient spot.



HUEBSCH CABINET DRYERS

Here is a cabinet dryer with big capacity (about 16 dresses) and every modern feature . . . yet priced surprisingly low. Has a motor-driven fan, latest fin and tube type steam coil, air temperature control damper. Fan motor equipped with rheostat for adjustable speed to regulate air volume.

HUEBSCH

ORIGINATORS
3775 N. HOLTON STREET
MILWAUKEE 1, WISCONSIN

WASHEX the heavy-duty line of

WASHER-EXTRACTORS

top efficiency for laundry and dry cleaning

SIZES AND TYPES FOR EVERY PLANT

PACKAGE DRY CLEANING UNITS

for synthetic solvent
SYNTOMAT UNITS

ASK FOR BULLETIN T-236

MORE POUNDS AND PROFIT PER OPERATOR HOUR*

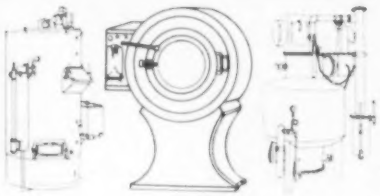
Open pocket, open-end cylinder—simplest loading and unloading. No weighing or dividing of loads for extraction balance. 45, 65, 100 lb. units—synthetic and petroleum.

*(*135 lbs. Cleaned & Spotted EASILY)*

for petroleum solvent
WASHEX UNITS

ASK FOR BULLETIN T-235

COMPANION SYNTHETIC EQUIPMENT FOR MAXIMUM SOLVENT ECONOMY



SLUDGE COOKER-STILL
- Motor Driven Agitator
- Fast Sludge Cooking
- Self-Unloading (Dry Powder)

SUPERFAST RECLAIMING TUMBLER
- Quick Cooling Cycle
- King Size Lint Trap
- Optional Automatic Cycler

SOLVENT-SORBER — DOUBLES SOLVENT MILEAGE
- Single and double unit models
- Reclaim all Perc from air and vents

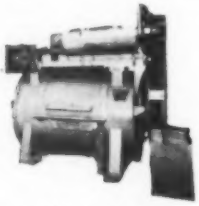
AVAILABLE EITHER WITH COMPLETE SYNTOMAT UNITS OR AS REPLACEMENT FOR UNITS IN THE FIELD

WASHEX TUBE FILTER

ASK FOR BULLETIN T-196

MORE FILTERING AREA • LESS FLOOR SPACE
NO CLOGGING, NO STEAMING
NO BOILING OF SCREENS
SIMPLE SLUDGE REMOVAL
ALL SIZES—1000-15000 GPH
SYNTHETIC and PETROLEUM SOLVENTS

LARGER WASHEX PETROLEUM DRYCLEANING UNITS FOR UNDERGROUND TANKS

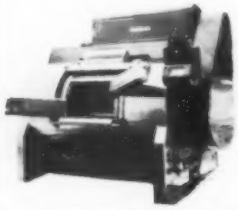


ASK FOR BULLETIN T-55

- TIME-PROVEN PERFORMANCE
- OPEN-POCKET, REVERSING CYLINDER
- 1000 POUNDS PER OPERATOR HOUR

100, 175, 270, 450 POUND MODELS

NEW WASHEX FOR LAUNDRY SLASHES WASHROOM COSTS 50%



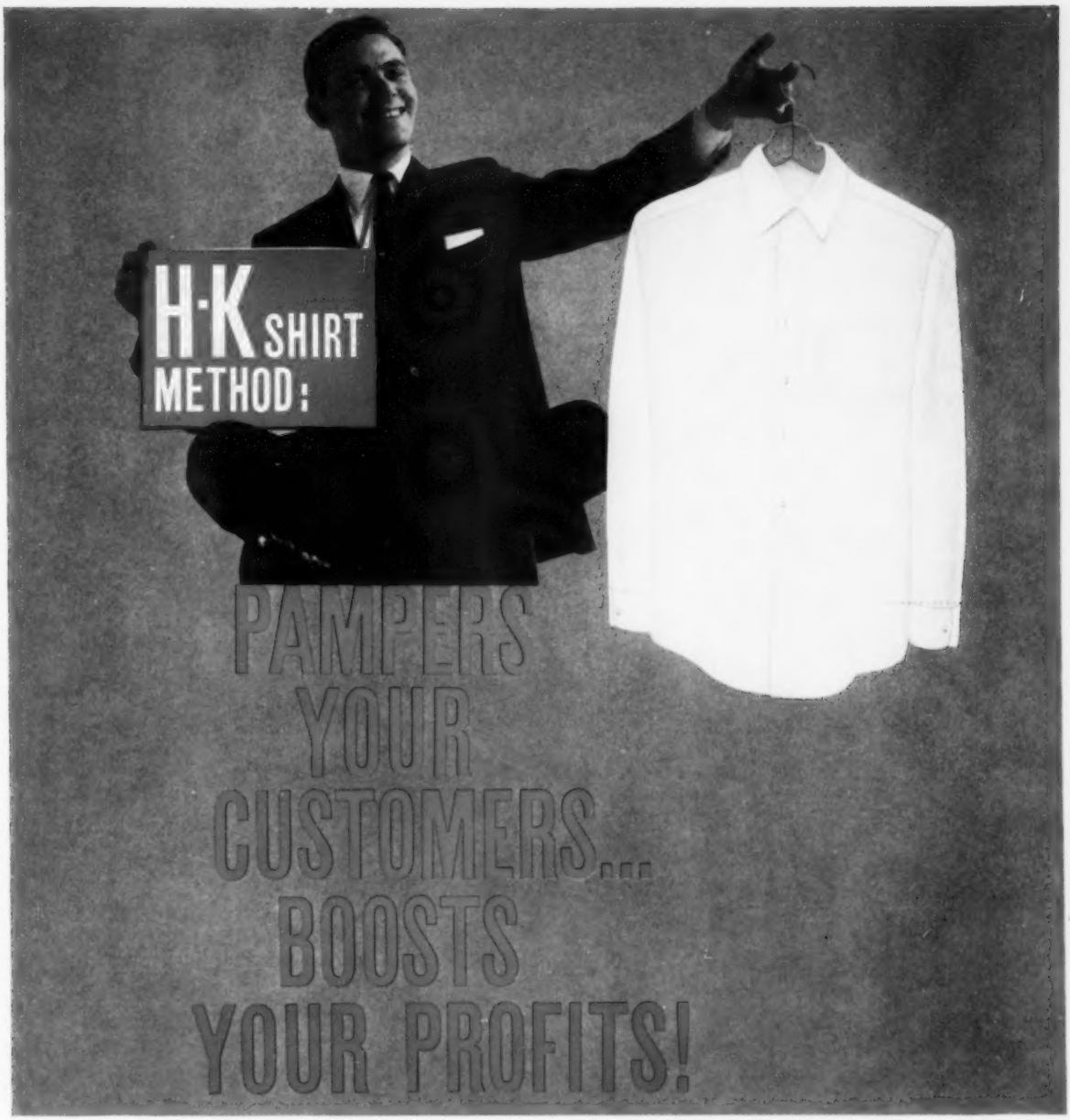
ASK FOR BULLETIN T-271

- 1200 P/OH CONSISTENTLY IN YOUR WASHROOM
- RUGGED HEAVY-DUTY CONSTRUCTION
- STAINLESS AND INDUSTRIAL STEEL MODELS

FOUR MODELS: 250-600 LB. DRY LOADS

128

WASHEX MACHINERY CORPORATION
192 BANKER STREET, BROOKLYN 22, N. Y.



Nothing builds customer-confidence *and* your laundry department business faster than a quality washing and finishing shirt job — and KOHNSTAMM has the method that will do it!

The H-K method of shirt laundering allows even an inexperienced operator to turn out finest quality *every time*. H-K time-tested directions save time, trouble, money, show how to increase shirt volume and boost your profit.

From the very moment you contact KOHNSTAMM — you're in profitable business without having to pay for costly mistakes. You'll find that you can depend on the 107 years of laundering experience that backs you up.

Write or telephone your nearest KOHNSTAMM Service Branch for details on how the H-K method can improve *your* shirt business.

Established 1851

H. Kohnstamm & Co., Inc.

NEW YORK 13, 161 Avenue of the Americas . . . CHICAGO 11, 11-13 E. Illinois St.
LOS ANGELES, (P. O. Address) 2632 E. 54 St., Huntington Park, Calif.

Foremost Manufacturer and Distributor of Quality Laundry and Cleaning Supplies

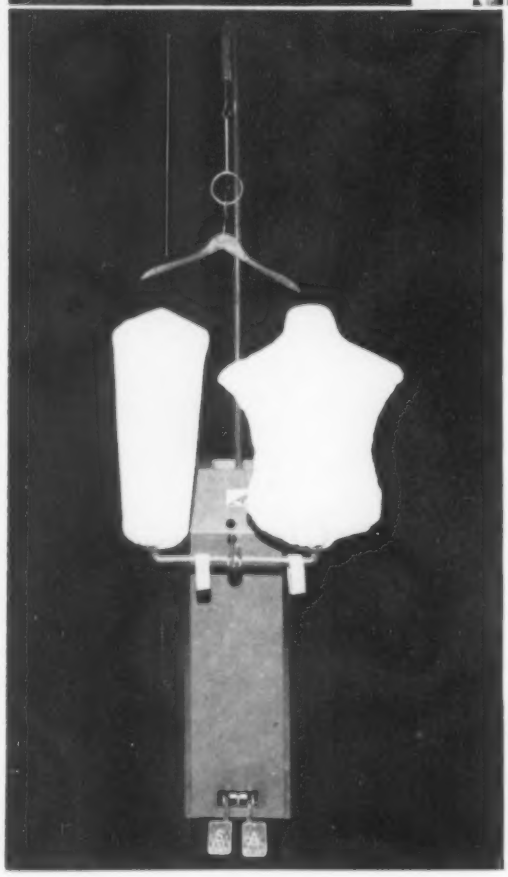
ALAMEDA • ALBANY • ALBUQUERQUE • ATLANTA • BALTIMORE • BOSTON • BUFFALO • CINCINNATI • CLEVELAND • COLORADO SPRINGS • DALLAS • DAYTON • DENVER
DETROIT • FARGO • GREENSBORO • HOUSTON • INDIANAPOLIS • JACKSONVILLE • KANSAS CITY, MO. • MEMPHIS • MINNEAPOLIS • NEW ORLEANS • OMAHA
PHILADELPHIA • ST. LOUIS • SAN ANTONIO • SEATTLE • TULSA

FACTORIES: BROOKLYN, N. Y. • CAMDEN, N. J. • CLEARING, ILL. • CHICAGO, ILL. • KEARNY, N. J. • NEWARK, N. J. • LOS ANGELES, CALIF.

NEVER . . . anything like the

UNITED

Cindy Lou



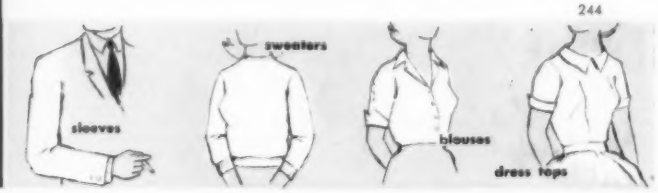
for all of your more difficult "PRESSING" PROBLEMS!

It's new from UNITED! The Cindy Lou is unlike any piece of finishing equipment you've ever seen. It's the new way—the faster way—and the best way to roll sleeves, finish sweaters, blouses and dress tops. Fabrics that present the most difficult finishing problems are handled with ease on the Cindy Lou. And, you do all this on ONE machine! Eliminates time-consuming, profit-robbing finishing problems forever! For example, a sweater can be finished in only 15 seconds!

See your nearest dealer, or write for complete information.

UNITED BRASS WORKS, INC.
Randleman, North Carolina
VALVE MANUFACTURERS FOR HALF A CENTURY

244



STREET'S **Merasol**

for the 1⅓% "miracle charge" that saves wetcleaning . . . gives fast finishing at minimum cost.

Needs no separate rinse, no sweetener . . . works perfectly with activated carbon.

. . . and the best activated carbon for modern cleaning is Premium DARCO®

. . . the high-powered carbon developed especially for today's high-powered drycleaning detergents. Ask your Street's man about Merasol . . . and about Premium DARCO.

DARCO—Reg. Trademark, Atlas Powder Company

R. R. STREET & CO., INC. INDUSTRIAL CHEMISTS SINCE 1876

561 W. Monroe St., Chicago 6, U.S.A.

GADGETS and GIMMICKS

Handy Pants Holder

Counter girls at Gigantic Cleaners & Laundry in Denver, Colorado, in addition to hopping cars and other duties mark incoming drycleaning orders in their spare time. The job is made easier by a small pants holder shaped like an inverted V and made of 1-by-4-inch boards fastened to a cleat at the side of the counter. As trousers are marked in they are tossed across the holder until a pile is accumulated. This speeds the cuff-brushing procedure considerably, since the girl does not have to process each pair as it is marked in. Note the convenient placement of the cuff brusher.

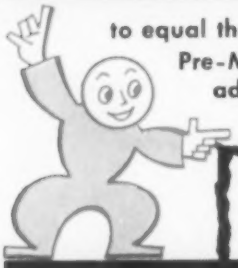
The metal basket at the right is a homemade affair for holding marked-in garments. Also note the yardstick fastened to the front of the marking table (right rear) for measuring incoming work.

Another handy gadget is the trash receptacle, a fiber drum with a slot cut in the side near the top for easy carrying.

Photographed is Leonard Orlin, owner of Gigantic, with office manager Frank Gould behind him.

REFUSE SUBSTITUTES

. . . frantic efforts and double-talk by substitutes to equal the efficiency and economy of the *original*, Pre-Marked Strip Tags, have been futile, — just added proof that there are no substitutes for the *original* system that IDENTIFIES!



Pre-Marked Strip Tag field representatives are as near you as the post-box, - just mail coupon below, for a personal conference *free from any obligation*, - this visit will prove invaluable to you!

INSIST ON THE *Original!*

...for Operators of large and small plants — in effecting a time and money-saving (far more profitable), marking identification, control of work flow, and final assembly!

...for You Distributors - inventory-stock control, intensive sales training and personal on-the-job representation to your customers!

You can't Beg, Borrow, or even Buy "TIME"...but you CAN spend it!

...Read how to earn more $'s for your time!

Get your free copy of this hot-off-the-press edition, loaded with proven applications to *all* marking identification systems, - with illustrations.

MAIL THIS COUPON

PRE-MARKED STRIP TAG CO., 3232 India, San Diego, Calif.

NAME _____ FIRM NAME _____

ADDRESS _____ CITY _____

ZONE _____ STATE _____ or ASK YOUR JOBBER

Antique Gadget

The proud owner of a 70-year-old home-type washing machine is John Cameron, owner of Ace Dry Cleaners & Shirt Laundry in Boise, Idaho. Printing still legible on the side shows it to be "The New Improved Washer" manufactured by C. F. Adams Co. and patented April 10, 1888.

Washing action is provided in the same manner used to propel a railroad handcar, with what looks like the

Continued on page 182

Two for the Money!

More drycleaning jobs! More profit per job!

They say that styles in garment storage bags change from time to time. Possibly so. But one garment storage bag that has remained unchanged in quality and public favor for more than 20 years is Lincoln Bag's famous MOTH SEAL. Millions of MOTH SEAL bags are proof of customer acceptance. Quality-conscious drycleaners who appreciate the necessity for *complete protection* in a non-reusable bag always return out-of-season garments in genuine MOTH SEAL . . . and *only* MOTH SEAL. Don't be fooled and don't try to fool your customers. They know quality when they see it. Experience has proved that a pleased customer will gladly pay 25¢ to 50¢ for a MOTH SEAL bag and this means more profit for you on each drycleaning sale.

Give your customers MOTH SEAL protection in addition to your drycleaning services. Order your supply of MOTH SEAL bags from your distributor today!

VISIT OUR BOOTHS NOS. 507-8-9-10 AT THE N.I.D. CONVENTION—ATLANTIC CITY IN MARCH

Order your genuine MOTH SEAL bags today from your supplier

Lincoln Bag Company, Inc.

Para-Lux Products Company

4200 West Schubert Avenue • Chicago 39, Illinois

Poly roll stock— plain or expertly designed and printed

Kleer-Pak combination— plain or printed shirt envelopes

Samples, prices and detailed information on request

OTHER PARA-LUX ITEMS: PARA SEAL hanger covers • WING LOCK collar supports • RAK GUIDE separators • NON SHIFT square top hangers • TROUS GARD trouser guards • BELT ZIP belt holders • TI-PAK tie covers

Taking the cure...

for tough oil-base stains

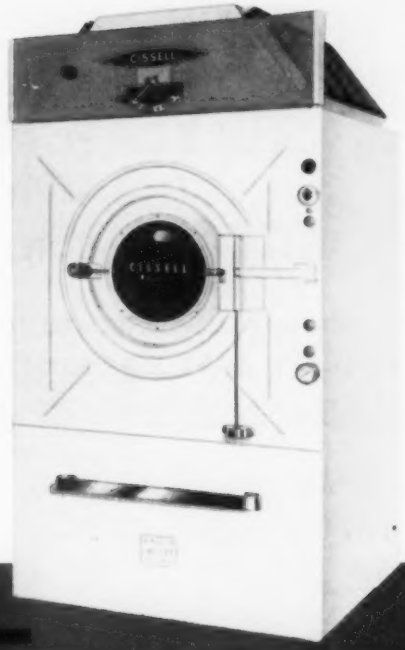
Find you're having more stain problems lately? You can speed up your spotting operation... get more thorough stain removal too with *TarGo*... the light, dry spotter that's *charged with extra stain-dissolving power. TarGo* works faster and better because it has more concentrated *active* ingredients. *TarGo* goes to work immediately... breaks up even hard-set oil-base stains ... makes them easy to remove without a lot of rubbing or boning. Order WILSON's *TarGo* soon . . . you'll find your spotting headaches clear up fast!

TarGo *is a better product because it's made by WILSON, house of stain removal specialists*

A. L. WILSON CHEMICAL CO.
KEARNY, NEW JERSEY

"Stain Removers are our only business"

CHECK!
COMPARE!
CISSELL
DRY CLEANING
DRYERS



FAST DRYING— FULL DEODORIZATION

SEPARATE MOTORS FOR FAN AND BASKET provide continuous fan operation during loading and unloading. When door is open, basket stops automatically—fan continues to operate, exhausting vapors from dryer area and keeping it comfortable . . . Double Walls for extra strength . . . Static Steam Spray . . . Two-Way Fire Extinguisher . . . Air Filter standard equipment on 42" x 42" . . . Large basket shaft in gear reducer, supported by Timken Bearings, has 15 year life expectancy under continuous 40-hour week operation. Here's everything you could ask for in a Dryer!

Cissell 8-Stage Heat Control eliminates temperature guesswork

Operator sets control for the heat required and forgets it! With Cissell's 8 FIXED stages of heat, temperature is positively maintained — and every drycleaner knows how important this is.

Cissell Steam-Heated Drycleaning Dryers — Single Basket: 36" x 18", 36" x 30", 42" x 42". ALSO AVAILABLE: Cissell Gas-Fired or Steam-Heated Laundry Dryers: Double Basket "Twin"; Single Basket 36" x 18", 36" x 30", 42" x 42".

W. M. CISSELL MFG. CO., INC.— LOUISVILLE 1, KY.

Pacific Coast Office: 4823 W. Jefferson Blvd., Los Angeles.
Foreign Distributors write Export Dept.—Cable Code "CISSELL".

Consult Your Jobber

CISSELL

NOW YOU CAN HAVE SAFE, YEAR ROUND

SOLVENT TEMPERATURE CONTROL

(FOR SYNTHETIC OR PETROLEUM UNITS)

WITH THE NEW IMPROVED BENTON SOL-TEMP

ONE MINNEAPOLIS-HONEYWELL DUAL MERCURY SWITCH GIVES A 3 DEGREE VARIATION AT THE DESIRED SET TEMPERATURE

HOLDS ANY TEMPERATURE AT A SET POINT WITHIN ONE AND A HALF DEGREES THE YEAR ROUND

ELIMINATES HUMAN ERROR

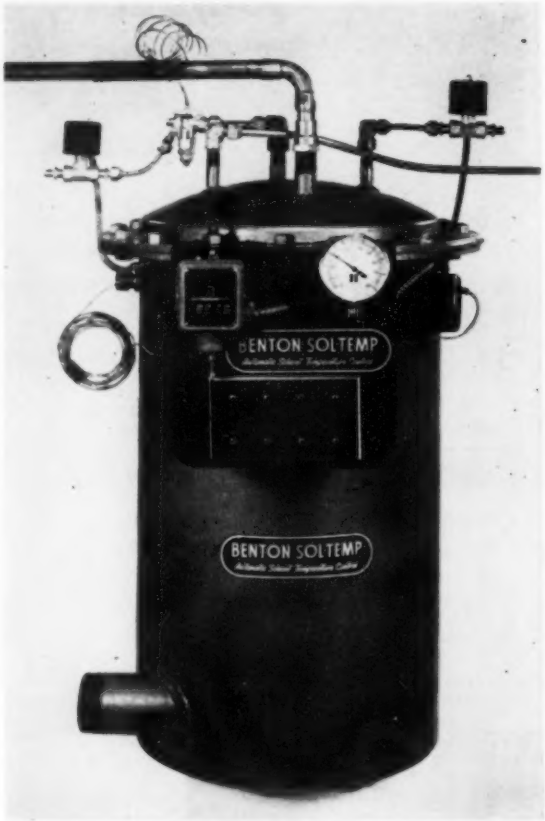
THE BENTON SOL-TEMP*

ELIMINATES

- **color bleeding**
- **stubborn heat wrinkles**
- **shrinkage in washer**

REDUCES

- **sizing destruction**
- **fire, explosion hazard**
- **solvent discoloration**
- **many filter problems**
- **operator illness and discomfort from fumes**



Electric Controls
$456.00*
***Does not include refrigerant compressor**

SATISFIED USERS

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AVAILABLE NOW in complete unit including Brunner Dunham-Bush Refrigerant Compressor

Jobber Inquiries Invited
Many Good Territories Open

For more information WRITE or phone ALpine 1-8141

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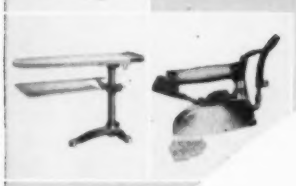
** Patent Pending*



CISSELL EQUIPMENT

in use the world over

so smooth-so easy

STEAM-ELECTRIC IRON

with Electric Thumb Switch and Low-Boy Assembly

No Foot Pedal Needed

This is the Cissell Steam-Electric Iron that frees an operator from a stationary position. Large areas are ironed with ease. – LESS EFFORT – LESS FATIGUE. The result – INCREASED PRODUCTION! A light touch of the Electric Thumb Switch releases steam instantly . . . where needed, when needed.

The Cissell Valve does the job

. . . it's the heart of the Low-Boy Assembly. Steam-heated Chamber built into valve converts water of condensation into steam WITHIN THE VALVE . . . before it reaches the iron. KEEPS UPRIGHT HOSE CLEAR OF WATER . . . PROVIDES DRY STEAM. Simple, packless valve construction; stainless steel needle stem with TEFLON seat; air-cooled coil for continuous use.

THE SOLENOID LOW-BOY ASSEMBLY — *trim, simple, ideal.*

Eliminates overhead arms and suspensions . . . provides unobstructed working area . . . a necessity for steam-iron operation on an offset press. Assembly includes shielded steam chamber, Cissell solenoid valve, pilot light, switch, cord and hose support, and 5 feet of steam hose. Assembly for Steam-Electric Iron with Electric Thumb Switch and Water-Spray Gun includes condenser.

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Consult Your Jobber

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NEW "SNAP-SETS"

by LIBERTY Marking Tag Co.

JUST SNAP THEM APART and throw away the carbons! No fussing with reinserting carbons...no errors...no more hard-to-read second and third copies. Nothing could be simpler, quicker or more businesslike than Liberty SNAP-SETS!

Liberty SNAP-SETS are available in over 25 sizes and wordings...or a SNAP-SET form can be made up specifically for you! Large, clear store imprints and space for advertising copy are included!

Custom-designed for drycleaning industry!

Terrific low prices and quick service!

At last drycleaners can get the most efficient order forms made...*without* paying premium prices, or waiting months for delivery! Liberty has just installed the most modern printing equipment...can supply the finest quality snap-apart business forms at the lowest prices! These time-saving forms improve service, eliminate errors, permit 2, 3, 4 or more clerks to work with them and still keep sequence. They are available with or without attached marking tags. And don't forget...there's no investment in register-form machinery! Next time your jobber calls...ask him about Liberty SNAP-SETS!

Want Samples & Prices?

We'll be glad to supply them at no cost. Complete catalog also available. Write, wire or call:

Booths 226-227 at N.I.D. Show

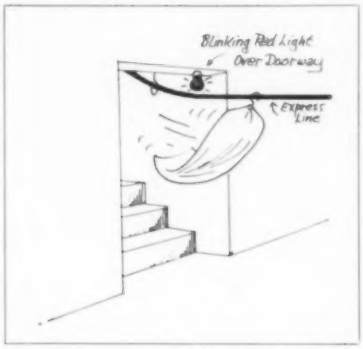
Liberty Marking Tag Co., Inc.
27-35 Hooper St., Brooklyn 11, N. Y.

Continued from page 176

handle on a baby buggy. Slightly above the bottom of the machine is a false bottom of inch-square slats set parallel across the width, and tipped slightly to present a sawtooth surface. The garments to be washed are placed on these slats. Washing action is obtained by movement of a rocker-shaped wooden affair which also has a sawtooth surface with the same curve as the false bottom. This is set down on the garments from above. A wooden trough at the front of the machine is provided to hold bars of soap.

The cover lifts off for loading. The metal lever of the wooden "rocker" protrudes through a slot in the wooden cover to a point where it is connected to the bar fastened to the rocking handle.

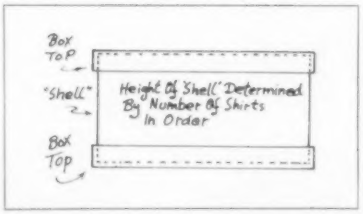
Duck on Red Light



At a Midwest plant finished drycleaning orders have to be sent down an express line from the second floor, by way of a stairway. Hangered garments came down in quite a rush, and a big order could certainly fetch someone quite a wallop if he happened to be passing in front of this doorway.

To guard against such a mishap, a red flashing light has been installed over the doorway at a point where anyone approaching the danger zone can readily see it. This light is turned on at the top of the stairs by the person sending work down the express line.

Shirt-Packaging Economy

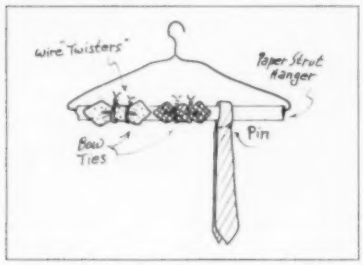


Here's an idea to make considerable savings on shirt packaging costs where

boxes are used for delivering. One plantowner with a big shirt business decided that the use of cardboard shells (sides, but no top or bottom) would be cheaper for delivering his thousands of shirts each week. However, the quality of the delivered shirts suffered since the shells lacked the rigidity of a conventional box.

Since the shells were in many heights, according to the number of shirts to be packaged, he decided to experiment. Now he uses a conventional box lid for the top and another lid for the bottom on these inexpensive shells. He says his supplier thought he had lost his mind when he started buying only the box lids instead of conventional boxes, but the new package is very satisfactory and has resulted in substantial savings.

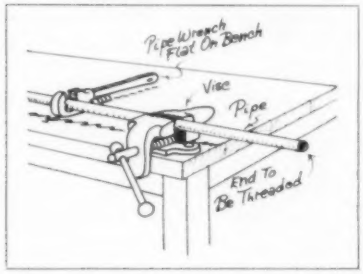
Ties on Hangers



To prevent loss of ties, as well as to assure their delivery in good condition, one plant sends them out on a wire hanger. Ties are not individually ticketed, but up to six.

Four-in-hand ties are looped over a paper-strut hanger and pinned. Bow ties are held in position against the paper strut by a pair of paper-wrapped wire "twisters," one on each side of the knot.

To Hold Pipe in Vise



A simple way to hold small pipe in an ordinary small vise, for threading or tightening fittings, etc., is to grip the pipe with almost any size pipe wrench and position it as shown in the illustration. With the wrench resting on the top of the workbench, the pipe can't turn, and the vise itself needn't be tightened too much.

NEW BRITAIN CLEANERS . . .

USE

BRUNNER
SINCE 1906

AIR COMPRESSORS

They Don't Gamble on Their Compressed Air Supply

The New Britain Cleaning Corporation, a busy chain of Connecticut cleaners, use Brunner air compressors for dependable air supply.

New Britain Cleaners' volume demands a constant air supply even at maximum usage. The new Brunner constant speed unloader arrangement eliminates costly "start-stop" operation. Compressor design changes insure clean air delivery.

The new Brunner air compressors are specially designed for dry cleaning and laundry equipment use . . . in sizes from ½ to 20 H.P.; both horizontal and vertical types.

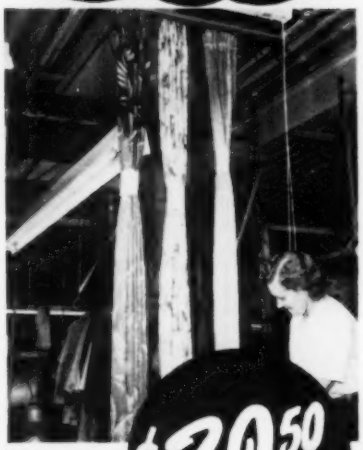
Write for compressor recommendations in Dry Cleaning and Laundry use.

IF YOU USE AIR, YOU'LL DO BETTER WITH BRUNNER

You'll find two of these 5 H.P. Brunner air compressors on the job at the above West Main Street location in New Britain, Connecticut.

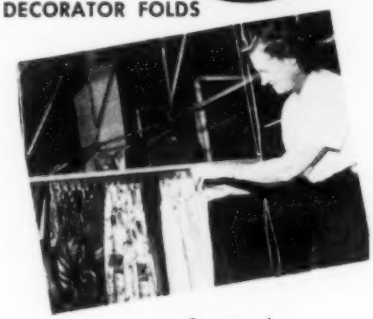
BRUNNER DIVISION
DUNHAM-BUSH, INC.
WEST HARTFORD 10, CONN.

INTRODUCING . . .
the ZE-DRAPE FOLDER JUNIOR



$39.50

Now you too will be returning all your drapes IN DECORATOR FOLDS



See you in Atlantic City, Booth 570-571

See the newest and best low-cost drape folder. One operator method. Works at any height. Suspends from ceiling or wall. Drapes up to 42 pleats or one panel 24 feet wide.

Ask your jobber or write:

ZIMMERMAN PRODUCTS
2519 Burnet Ave., Cincinnati 19, Ohio

LEGAL DECISIONS

By A. L. H. STREET

Not Municipal Employee

Is a cleaner who is not a city employee but injured in furthering municipally sponsored facilities entitled to the benefits of a municipal employee?

This decision was reached by the Appellate Division of the New Jersey Superior Court in the case of Cerniglai v. City of Passaic, 141 Atl. 2d 558.

An owner of an interest in a cleaning business in a New Jersey city participated in furthering municipally sponsored facilities for interesting teen-age boys in baseball contests. His interest was increased by a prospect that he might get a contract from the city's recreational director to clean and press uniforms provided by the city for the players.

One day while pitching at warm-up practice for a baseball game, he lunged for a hit ball and suffered a heart attack that disabled him.

The New Jersey Workmen's Compensation Division ruled that he was entitled to benefits on the theory that he was a municipal employee. But, on appeal, the Appellate Division of the New Jersey Superior Court decided that the facts did not show that he should be regarded as a municipal employee any more than any other citizen motivated by civic interest in promoting recreational facilities for the city's youth.

Liability for Building Damages

Can a landlord collect for repairing damages caused by a tenant cleaner removing his equipment, if the repairs are made in accordance with municipal building regulations, and the tenant cleaner moved into the building before there were such regulations?

The Texas Court of Civil Appeals, Austin, ordered a new trial in the case of Tucker v. Lane, 312 S. W. 2d 257.

The defendant had leased a building in which to conduct his cleaning business. The then owner permitted him to add a boiler room at the rear with the rear wall of the building serving as one of the walls of the boiler room. At that time there were no municipal building regulations.

Later the landlord sold the building to the plaintiff. Still later the defendant vacated the premises. But in removing his boiler and other equipment, the defendant so damaged the boiler room and its roof that complete rebuilding was necessary.

The plaintiff sued for damages and proved what it would cost to rebuild the room in conformity with municipal building regulations. A trial court allowed the amount of damages based on that cost. On appeal, the Texas Court of Civil Appeals ordered a new trial.

The Court of Appeals seems to have taken the view that the landlord was only entitled to collect the difference between the value of the old structure before and after the defendant damaged it. It would be unfair to hold the defendant liable for the cost of a building that would be radically different from and more expensive than the old building in order to comply with current building regulations.

Continued on page 186

"In Charlotte . . . . TickeTag Saves Work . . . . helps keep Customers happy!"

Says Mr. W. C. Hunter, Owner • Mint Hill Cleaners • Charlotte, N. C.

In large and small cities, TickeTag is proving itself daily. TickeTag is the easy way for positive identification of dry cleaning and of laundry. TickeTag eliminates hectic hunting periods and disgruntled customers.

TickeTag 4-in-1 forms provide:

1—Customer's Receipt

2—Office Record

3—Customer's Invoice and Plant Assembly Check

4—Six, seven or eight Pre-numbered Tags (all with identical numbers)

NO EXTRA CHARGES FOR:

- Printing your name and address.
- 10 Colors of wet-strength stock available.
- Starting and stopping of numbers.
- Prefix before numbers for store outlet or driver's number.

Your jobber has all the details; or write for TickeTag samples.

TICKETAG
4-IN-1 IDENTIFICATION SYSTEM

518 N. Wrenn St., High Point, N. C.

Please send me TickeTag samples and full information.

Name_____

Address_____

Continued from page 185

Cleaners' Sidewalk Privileges

May a town or city, under a properly worded ordinance, constitutionally permit a cleaner to maintain receptacles for the deposit of garments by patrons on the inner or outer edge of the public sidewalk adjacent to his place of business?

A recent ruling by the New Jersey Superior Court, Law Division, for Middlesex County, was made dealing with a permit granted in New Brunswick (Kirksenbaum v. Paulos, 144 Atl. 2d 25).

Although the ruling was made about a bank there seems to be no reason why, for similar reasons and under similar conditions, similar permission should not be granted to cleaning establishments.

A bank was granted a permit covering a depository cage which permitted motorists to make their deposits with the teller inside the cage, without leaving their cars. The cage was 5 feet 8 inches high, covering 24 by 28 inches of space on the sidewalk, 10 inches from the curb. It left 7 feet 5 inches of space between it and the building in which the bank was.

The legality of the permit was questioned on the basis of whether or not the city had the right to grant it.

The court rejected a contention that the bank was granted a special privilege as such. It pointed out that the governing ordinance was general in its application.

Other high spots of the court's opinion were:

"A municipality has no power to authorize the use of street by private persons from which neither the city nor the public derives any consideration or benefit, except where such use is temporary, or the power has been specifically delegated by the Legislature."

"Can it be seriously contended that the defendant city in the instant case lacked the authority under its police power to regulate the movement and free flow of vehicular traffic in the City of New Brunswick, and employ as a medium the issuance of a permit for the construction of a curb depository in order to relieve the congestion that existed, in the interest of the welfare of the community? There is no doubt in my mind but that this broad grant of police power encompasses the authority to enact an ordinance providing for a grant of the permit in question in order to relieve the traffic problem."

"Common knowledge of the problem, supported by the testimony present in open court, indicates that the ordinance under review may not only have been desirable, but also necessary in the interest of public welfare and public safety, and for the improvement of traffic conditions and the flow and movement of traffic in the City of New Brunswick."

Air Pollution Damage

Is a manufacturing company liable for air pollution damages to a nearby rug cleaning plant when the manufacturer has temporarily permitted too much carbon black to escape into the air?

The County Circuit Court at Clarksdale, Mississippi, allowed the cleaner $500 for personal annoyance, inconvenience and discomfort, and $3,600 for depreciation of the rental value of the premises while the nuisance continued, and the cost of repainting the buildings. The Mississippi Supreme Court upheld the judgment following an appeal by the rubber manufacturer who had caused the nuisance (Cooper Tire & Rubber Co. v. Johnston, 106 So. 2d 889).

Noting that the cleaner's business was located across the street and to the north of the factory, not more than

125 feet away, the higher court ruled that evidence amply warranted the trial court finding that the manufacturer had created a nuisance during at least part of the period in question by polluting the air with excessive quantities of carbon black.

The sole issue of the appeal was the amount of damage. The appellants contended there was no competent testimony by qualified witnesses as to depreciation in the rental or usable value of the cleaner's property, and personal discomfort and inconvenience to her, and therefore the complainant was entitled to only nominal damages.

Listing the inconveniences and annoyances caused, including recleaning of rugs, the court found that the witnesses presented by the cleaner were qualified from experience and observation to express their opinions in the case.

No Wire-Tap Protection

Does a law forbidding court use of evidence obtained by "wire-tapping" also protect telephone conversations with a third person listening in on an extension by consent of one of the other two parties?

The answer was "no" in a ruling handed down by the United States Court of Appeals, Washington, D. C. (Ladrey v. Commission of Licensure, 261 Fed. 2d 68).

The court said everyone who answers a telephone call must contemplate the possibility that the caller is permitting a third person to listen in. In another case the U. S. Supreme Court noted that each party to a telephone conversation is bound to be aware that the other may have an extension line upon which he is directing or permitting another person to listen in.

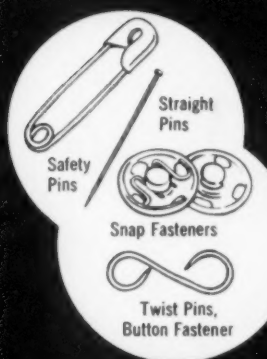
It follows that neither party to a telephone talk violates any legal right of the other if the conversation is recorded by a stenographer.

A new book on "Legal Decisions for the Drycleaner," by A. L. H. Street, has been published by The National Cleaner & Dyer. The problems discussed are classified by subject for convenient reference.

"Legal Decisions for the Drycleaner" is available at $2.00 per copy from:

The NATIONAL CLEANER & DYER
305 E. 45th St., New York 17, N.Y.

PRYM
THE RECOGNIZED NAME OF QUALITY FROM COAST TO COAST



PRIMS COVER-YOUR-OWN BUTTONS AND BUCKLES

Wm. PRYM, Inc.
DAYVILLE, CONNECTICUT
New York City • Chicago • St. Louis • Los Angeles
Redwood City • Seattle • Fort Worth • Atlanta

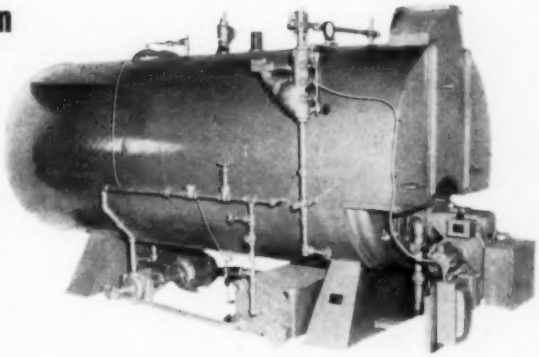
SO YOU'RE PROUD OF YOUR NEW **SHUR-GRIP** HANGER... AREN'T YOU OVERDOING IT ?

W. A. LAIDLAW WIRE CO.
Peoria, Illinois
PITTSBURG HANGER CO.
Monaco, Pennsylvania

POWER WHEN YOU NEED IT...

Now and for Future Expansion

As you think about replacing your old, worn out boiler, don't forget to consider your *future* requirements. Remember, that a boiler that's too small will increase production and maintenance costs. This can't happen when you let your SUPERIOR MAN recommend a SUPERIOR Scotch Marine boiler that's design-engineered to fulfill your power needs *now* and *in the future*.



But there's just not enough space here to tell all that a SUPERIOR Scotch Marine can do for your plant. Won't you please fill out and return the coupon below . . . it will mean more profit for you in 1959.

SUPERIOR . . .Proven for over 30 years.

SUPERIOR SCOTCH MARINE BOILERS
A.S.M.E. CODE CONSTRUCTION
10 through 100 horsepower
This coupon will bring you the rest of the Superior story

SUPERIOR BOILER WORKS
3400 E. 4th Street, Hutchinson, Kansas
Gentlemen:
Please send me full information on your equipment. No obligation, of course.
FIRM _____
ADDRESS _____
NAME _____
POSITION _____

PROVED DEPENDABLE
BY DRY CLEANERS!
VIKING SOLVENT PUMP

Performance with hard usage has proved that dry cleaners can depend on this Viking V-belt drive pump to move solvents efficiently. It always delivers a smooth, even flow. It is Underwriters approved. Better install them in your plant!

Note these features:

- Holds a high vacuum
- Fast self priming
- Does not heat solvent
- Does not block up with lint
- Quiet operation

For complete information write for bulletin Dq.

VIKING PUMP COMPANY

Cedar Falls, Iowa, U.S.A. In Canada, it's "ROTO-KING" pumps

Offices and Distributors in Principal Cities. See your classified Telephone Directory

FOR THE best DYEING

. . . USE THE DYER

Tru Color

. . . serving all 49 states, Hawaii and Puerto Rico by mail

Most orders shipped back within 24 hours of receipt

Convenient one-stop source for garment, rug, household fabric and commercial linen dyeing . . . suede and leather cleaning, glove cleaning, reweaving, flameproofing, showerproofing

TRU COLOR DYE WORKS, Inc.

24-47 44th Street, Long Island City 3, N.Y.

Write for our trade price list / Mail Order "Supermarket" of Sideline Services

SIGNS OF THE TIMES

Continued from page 12

retailing; selection of a location; the technique of estimating business volume; what about shopping centers; and new trends in the economics of location. Graphs, charts and plans have been included for easy reference for specific problems.

The book is available from Dodge Books, 119 W. 40th St., New York 18, N. Y., for $9.

# #

Drycleaning Safety Commended: Drycleaners in the state of California recently came in for their share of praise from State Fire Marshal Joe R. Yockers when he commended them for gaining a "position of respect" under the administration of the State Board of Dry Cleaners.

According to press reports, Fire Marshal Yockers said fire hazards have been reduced to the point where very few fires and explosions occur in cleaning plants, nearly all of a very minor nature.

The cost of fire inspection is paid out of part of the general fund which comes from license fees collected by the board.

# #

New Wage Laws: The Ohio State Minimum Wage Law now provides that women and minors employed in drycleaning plants receive a minimum wage of 90 cents an hour. Inexperienced learners and apprentices are to be paid 75 cents an hour for a period not exceeding 90 days.

The new minimum wage was reported recently in the Bulletin of the North Carolina Association of Launderers and Cleaners, Inc. The Bulletin also states that the industry had to fight hard against the Ohio State Wage Board to keep the minimum from being $1.

New minimum wage standards for women and minors in the drycleaning and laundry industry have also recently been established in North Dakota —the first adjustment since they were last set in 1952.

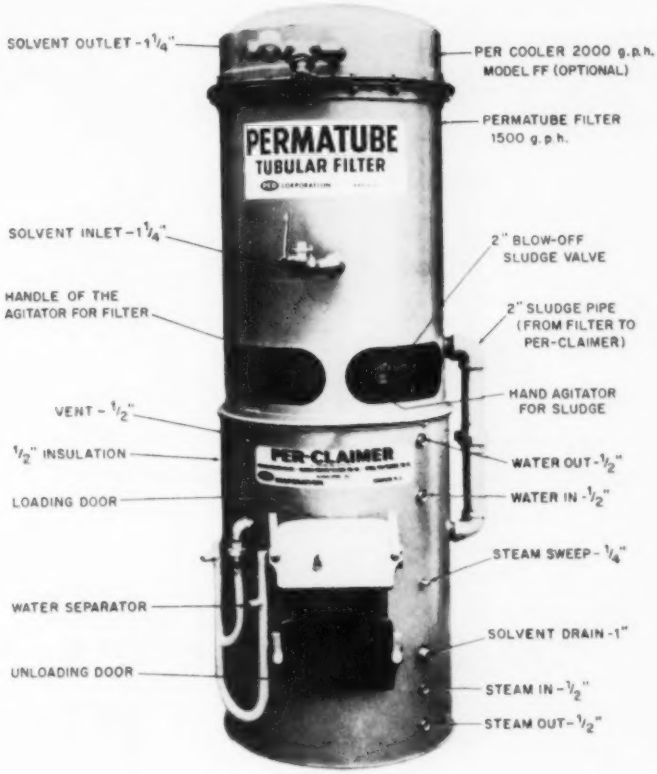
The new minimum is 55 cents an hour for experienced workers and 45 cents an hour for learners. The ruling also lowered the apprenticeship period from five to three months.

Labor deputy Henry R. Martinson said the industry generally is paying higher wages than the new minimums, but that the department has a policy of reviewing wage standards in various industries every few years and setting new minimums.

NEW PER-COMBO UNITS

The Per-Cooler of 2,000 gallons Model FF is installed in the head. The tubular filter has Monel tubes. The sludge cooker is insulated and equipped with hand agitator. The still is stainless steel.

Permatube Filter
Model 1500
PLUS
Perclaimer
Model M-24
PLUS
Per-Cooler
PLUS
Stainless Steel
Still



All These in One Unit

This Combo is adaptable to most synthetic drycleaning machines. Its performance is sensational as to filtration, cooking, and distillation. Simple to operate. About 24 inches of floor space needed. Bone dry powder returned —MONEY SAVING.

PER CORPORATION
P. O. Box 305 — Orange, N. J.

PLEASE VISIT US AT N.I.D. CONVENTION
BOOTHS 624-625
OTHER MODELS ON DISPLAY

Cut Out—Paste on 3¢ Postcard—Mail NOW!

PER CORPORATION
P. O. BOX 305, ORANGE, N. J.

Gentlemen:

Please send full details on the New Combination Permatube Filter.

NAME.....

ADDRESS.....

CITY.....Zone.....State.....

My Jobber is.....

KIRK'S

FAMOUS

for a quarter of a Century

Suede and Leather Dyes and Finishes

For CLEANING and FATTING

KIRK'S Suede & Leather Soap

KIRK'S Glove Cleaning Compound

KIRK'S Cape Skin Cleaning Compound

These items have been in use for years, and have no equal.

For FINISHING and DYEING SUEDE

KIRK'S Suede Dyes—36 colors and shades to choose from; name it and we have it.

KIRK'S S 8 DRESSING—to mix with Suede Dye as a dressing which softens; gives Lustre and keeps Suede from water spotting. Later, can be used as a neutral with Suede Dye Reducer. A real innovation.

For Finishing the New Cape Skin Apparel

KIRK'S Flexo Leather Dressing—A product so easy to use. Is not *hot;* dries fast; only one spraying; 4 oz. finishes an average jacket. No top finish necessary. Made in many colors—you name a color—we have it. Use #10 air gun to spray on.

KIRK'S *Metallic Finishes*—

Silver, gold, bronze. We have the finest, most lustrous quick drying *Pearl* Finish known—leaves leathers so soft.

SPECIALTY TOOLS

#10 Air Gun; Spec. Binks Spray Gun; Suede Bristle Brushes; Sponges; Glove Forms

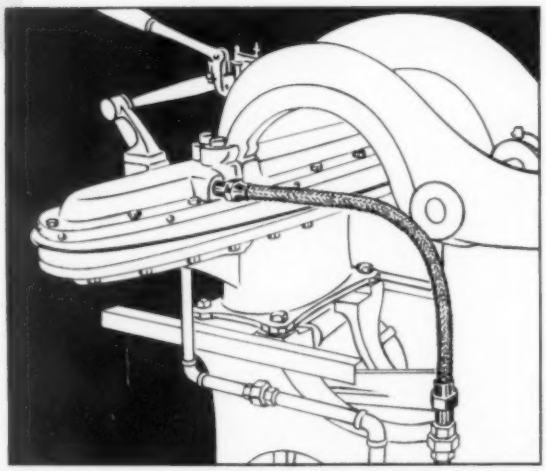
KIRKPATRICK SPECIALTIES CO.

7320 Melrose Avenue *Los Angeles, Calif.*

NOW AVAILABLE—NEW 1958 PLANT PRACTICE BULLETIN & CATALOG

Universal

"LP" STEAM CONNECTORS for PRESSING MACHINES



All bronze alloy deep spiral convolutions

Braided for extra strength means longer service life

Heatproof fittings

Packaged two per carton for easy shelf stocking

Write for "LP" Price Schedule No. 7D

QUALITY . . . *All-Metal* Flexible Hose Products

Universal **METAL HOSE CO.**

2183 South Kedzie Ave., Chicago 23, Illinois

NOW
WOOL KNIT wear
DYED
ANY COLOR

Almore Dye House offers you precision color dyeing of garments made of:

Alpaca	Vicara
Camel Hair	Wool
Cashmere	Gabardine
Nylon	Corduroy
Velveteen	Arnel

and of course all garments made of any type of dyeable material

KNIT GARMENTS: You can offer this profitable and satisfying service to your customers in the full confidence that knit suits, dresses and sweaters which come back to you from Almore will be complimentary to you and of added value to your customers.

Send KNIT WEAR and all other garments for dyeing to:

ALMORE
DYE HOUSE

DYEING is our ONLY Specialty

4412 Wentworth Ave., Chicago 9, Ill.
Leon Teichner, President

continuously in business since 1919

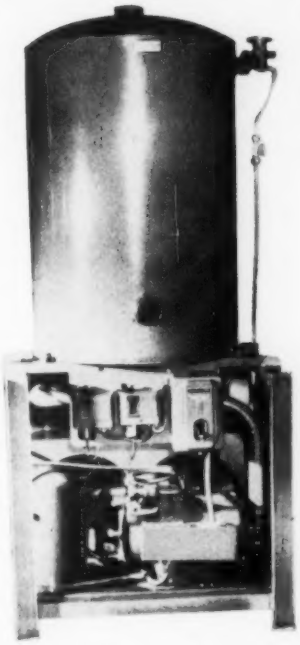
INTEGRITY · QUALITY
MEMBER
Garment Dyers
GUILD
of America

. . . the dyeing name of undying fame

Rite-Temp
SOLVENT COOLER

For better quality...safer cleaning

Guaranteed Cool Solvent



- Guaranteed to keep solvent temperatures between 75°F. and 80°F. even when outside temperature reaches 105°F.
- Fully automatic temperature control keeps entire system cool at safe operating levels **ALL** the time.
- Completely self-contained . . . requires no additional refrigeration work . . . nothing extra to buy . . . simply connect power supply, hook up to filter with two solvent lines (intake and outlet).
- Easy to install . . . requires no cooling water . . . no expensive installation . . . can be installed by your own maintenance man.
- Improves quality . . . eliminates color bleeding . . . heat wrinkles . . . sizing destruction. Increases finishing production, too.
- Motor compressor guaranteed for five years.
- Conserves floor space . . . takes only 22" x 26".
- Models available for petroleum or synthetic solvent. Water chiller for "packaged" drycleaning units also available.

MAIL COUPON FOR COMPLETE INFORMATION

RITE-TEMP MFG. CO.

1209 W. WALNUT ST., ROGERS, ARK.

Please send me information about the following equipment:
☐ Petroleum solvent cooler ☐ perc cooler ☐ water chiller
Check type of cleaning solvent used: ☐ petroleum ☐ perc
Make of cleaning unit ..... Filter size .....
NAME .....
FIRM .....
ADDRESS .....
CITY ..... ZONE ..... STATE .....

STANDARD SCALE BASKET

16" x 18" x 32" heavy gauge steel wire basket with removable plastic liner. Capacity 60 lbs. Steel carriage with 3" ball bearing casters. Weight figures are reflected in magnifying mirror and plainly visible without stooping. **$69.50**

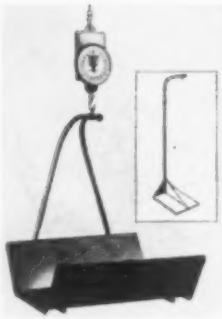
Replacement Liner ..... **$ 4.95**

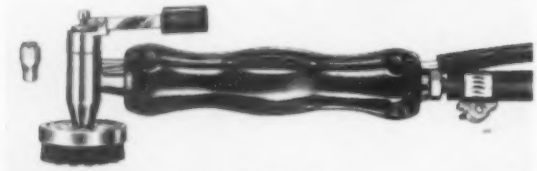
ECONOMY HANGING SCALE

Ideal Scale for selling service by weight. Heavy gauge metal basket. Attractive scale graduated to pounds and half pounds. Approved by Dept. of Weights and Measures. Capacity up to 100 lbs.

Scale and basket as shown **$39.75**

With stand add $15.00
Scale alone $18.00
Basket alone $22.00





PRE-SPOTTING MOISTURE GUN $12.95

Interchangeable nozzle and brush. Suction hose and check valve. Preheats chemicals. Ideal for sizing. Fits any spotting board.

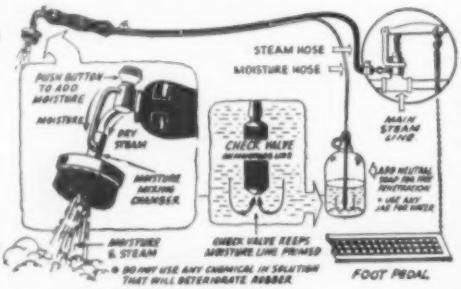
PRE-SPOTTING UNIT

Moisture Gun

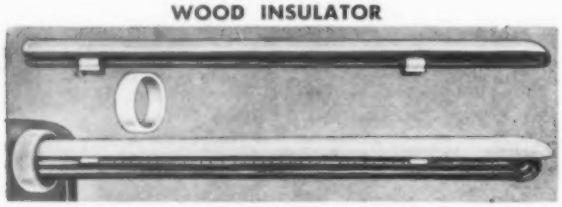
Steam Valve

Foot Pedal with Chain

Complete $23.95



WOOD INSULATOR



For Cissell Sleever. Protects and trebles the life of sleeve bag. Fits into and shapes shoulder without puffing or padding. Immediate steam with completely diffused moisture. Cuts bag costs 50%.

Complete with Collar, Only $3.45

Sold through all Drycleaning & Laundry Jobbers.

WHOUSE SPECIALTY CO., INC.

3827 San Fernando Road, Glendale 4, Calif.

COMCO

The Water Heater

engineered to give you

More Hot Water Per Dollar!

Here is a superior water heater designed especially for commercial installations where trouble-free hot water operation is a must.

Quick recovery provides more hot water and internal flue design gives economy of operation. The tank design combines strength with durability. The heater is hot dipped galvanized inside and out, including tubes, for rust and corrosion-free performance.

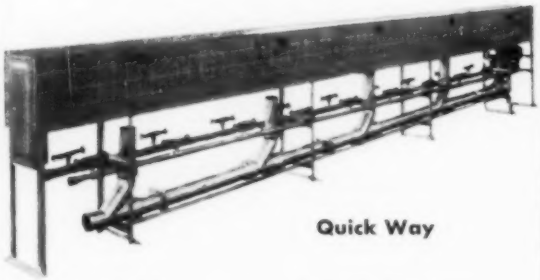
The unit is automatically controlled with General Controls. Easy access is provided to both controls and burner.

RATINGS:

COMCO 700 — 680,000 BTU per hour
COMCO 500 — 500,000 BTU per hour
COMCO 260 — 260,000 BTU per hour

One Year Unconditional GUARANTEE,
Four-year Prorated
Approved by AGA & ASME Laboratories

Save Money in Your Coin-Op Store



Quick Way

Prefabricated pipe and electrical unit installation for coin-op stores and laundromats. Completely enclosed with Marlite for long life and ease of cleaning. U.L. Approved.

See us at booth number B-5

Write Today for Details

COMMERCIAL HEATER CO., INC.

648 N. CALHOUN BOX 4525 FORT WORTH 6, TEXAS

10 REASONS WHY!

THE NEW KD *QUICK BAGGER* OUTDATES ALL OTHER BAGGING METHODS...

CUSTOM QUALITY PACKAGING — in one operation!

FULLY WARRANTED

1 CUSTOMER PREFERENCE — "Poly" bags are neat, attractive . . . and quiet, too — appeals to customers for garment identification, and re-use.

2 OPEN-TOP CONSTRUCTION — overlooked by others, put to use by KD for easier threading, no premature sealing, more effective heat distribution.

3 TOP-MOUNTED ROLL — for fast measuring . . . easy pull with no bind or snag. Keeps material ready for next use. Protects "poly" inventory.

4 EASY-DOWN PUSH BAR — Finger-tip pressure on any part of balanced bar gives even cut and seal. Brings automation to your plant . . . at no price premium.

5 EVEN SEAL EVERY TIME — automatically self-adjusting in three ways. Heavy duty heating unit seals all types and sizes of "poly" . . . at top production loads.

6 STURDY LIGHT-WEIGHT CONSTRUCTION — Aluminum head, line-shaft design. Welded flat-base frame will not tip. Move it to where you need it. Fewer moving parts . . . trouble-free operation.

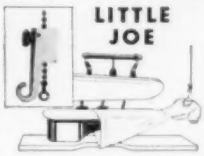
7 POSITIVE ACTION KD LIFT STAND — adjusts to any height, up or down, with a touch of the finger. Exclusive rounded yoke will not tear plastic . . . reduces waste.

8 START TO WORK AT ONCE — simply plug-in to install. Light shows when unit is on. Any girl can learn to operate the KD Quick Bagger in minutes . . . with professional results.

9 FOR ANY SIZE PLANT — Basic machine is single roll for minimum starting investment. Optional second roll can be attached at any time. No special tools needed. Available with or with-out polyethylene tubing.

10 LOW COST BAGGING MACHINE — Low Cost when you buy, low cost to operate and less maintenance.

KD LITTLE JOE



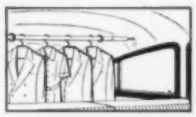
Adjustable garment holder speeds work at press machines, finishing boards, repair and spotting tables.

Little Joe keeps garments clean and wrinkle-free. Adjusts to any height desired at the press of a button. Die-cast chrome finished hook on 5-foot beaded chain. Price . . . . . $2.75 each.

SEE YOUR JOBBER FOR THESE OTHER FINE KD PRODUCTS

KD KAR BAR

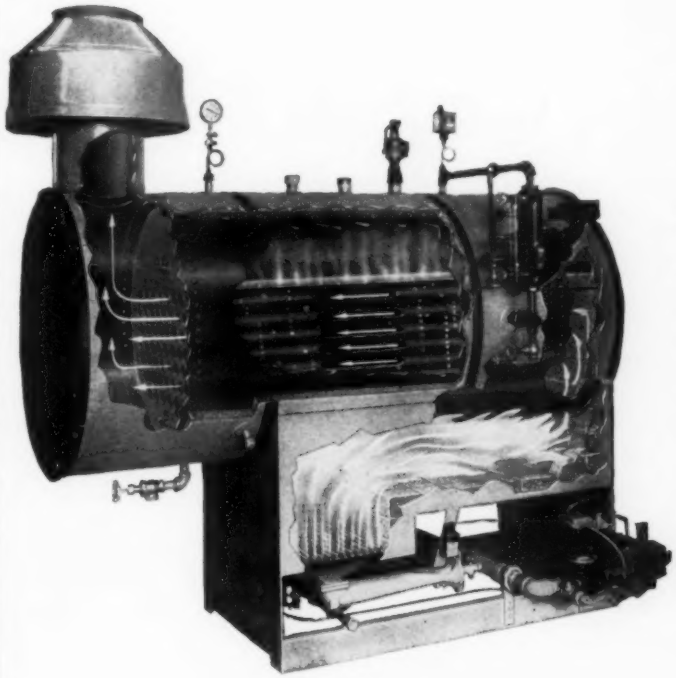
Practical, low cost garment rack converts any car into a light delivery truck. Slips over coat-hooks . . . off and on in a jiffy . . . no tools needed. Adjustable rubber stops keep hangers from sliding sideways. Just the thing for special deliveries or when regular truck is down.



Price . . . . . $3.95 each.

THE KEYES-DAVIS COMPANY

79 14th Street, Battle Creek, Michigan



GAS FIRED LATTNER HRT

See —

the simplicity of design.
the 10 sq. ft. heating surface per H.P.
the quiet atmospheric gas burners.
the simple control setup.
the factory installed combustion chamber.
the rock wool insulated jacket.
an HRT boiler all in one piece.
the boiler that "coasts" with the load.
sizes 3 H.P. to 50 H.P.

Dealers Most Everywhere

P. M. Lattner Mfg. Company

Cedar Rapids, Iowa

Are YOU missing this juicy PLUS volume AND profit?

There's BIG PROFIT in

DYEING *thru*

GENERAL

No investment. No overhead. Extra customer satisfaction and good will. 25 years growing nationwide service, all under one roof. All work fully guaranteed.

7 Profit-making Extras for YOU!

1. DYEING—garments and household goods—fully or semi-finished
2. RUGS—cleaned, dyed, finished. Any size rug or carpet, any grade of finish
3. RE-WEAVING—invisible repairs of cuts, tears, burns, moth damage
4. LEATHER—suede and leather cleaning, dyeing, finishing
5. STORAGE—refrigerated, moisture-controlled vaults for furs, woolens
6. PILLOWS—cleaned and renovated—fluffed, sterilized, deodorized
7. FURS—cleaned and revitalized by furrier method. Not drycleaned

FREE! *Write today for handsome brochure and confidential wholesale prices*

General Dyeing Co.

818 DORMAN ST., INDIANAPOLIS, IND.

GARMENT RETAINER

An Inexpensive, Deluxe Service that brings in new customers. Maintains lapel roll with a "just off the press" look. Easy to use any style coat. Brings customers back for more. Send for free sample.

ORDER TODAY OR ASK YOUR JOBBER

Jobbers send for attractive box display.

Coat Retainer Co.

137 Haggin St., San Antonio 10, Texas

Pat. 2641390

43 YEARS with the DRYCLEANING INDUSTRY

INSURANCE AT COST!

NATIONAL INDEMNITY EXCHANGE
NATIONAL FIRE INSURANCE EXCHANGE

3820 WASHINGTON BLVD. • ST. LOUIS 8, MISSOURI

RISDON

MEMBER

AMERICAN INSTITUTE OF LAUNDERING CERTIFIED WASHABLE

THE Best IN LAUNDRY SERVICE

LCATA LAUNDRY & CLEANERS MEMBER ALLIED TRADES DIV.

KNOWN FOR QUALITY & SERVICE THROUGHOUT THE TRADE

- Immediate Shipments
- Complete Dealer Coverage
- A Pin For Every Need

THE RISDON MANUFACTURING COMPANY

NAUGATUCK, CONN. RI-63

WRITE FOR LATEST COMPLETE CATALOG

NEW PRODUCTS AND LITERATURE

Continued from page 8

New Filter Powder

A new high-efficiency filter powder is now on the market with the claim of giving drycleaners 25 percent more filtering capacity per pound of powder. So-Lite is made specially for solvent clarification by the So-Lite Department, Mining and Mineral Products Division, Great Lakes Carbon Corporation.

The makers say that although the new filter powder is packed in the same size bags as other major brands and is used in the same amount by volume, each bag of So-Lite weighs only 40 pounds as compared with the 50-pound bag of other brands.

There is no change in the filtration process, only in the quantity of powder used. Manufacturers say less So-Lite is needed by weight than other filter powders to clean the same volume of clothes.

For additional information on So-Lite and the names of distributors in local areas, write So-Lite Department, Mining and Mineral Products Division, Great Lakes Carbon Corp., 612 S. Flower St., Los Angeles 17, Calif.

Built-in Deodorant

A new mildew control and deodorizing agent for laundry operations has been announced by the American Mothproofing Company of St. Louis.

The product, U-Mil-O LMC, is said to offer not only the protection of mildew control during laundering, but also the benefit of a built-in deodorant, thus combatting perspiration odors in garments between launderings.

The manufacturers state that U-Mil-O LMC has proven par-

ticularly successful in advertising shirt-laundering service.

For further information, write to American Mothproofing Co., 2510 Hampton Ave., St. Louis, Mo.

Bacteriostatic Mothproofing

Dex, a new bacteriostatic additive, has been added to Super Sanex mothproofing, it has been announced by Signal Chemical Manufacturing Co.

The additive was developed to meet increasing demand for a sanitizing agent that can be used in the drycleaning system. It is said to inhibit the growth of odor-forming and perspiration-decomposing microbes and many other bacteria. Both Sanex products, D-11 for petroleum units and S-7 for synthetic, now contain the Dex additive.

A complete new merchandising and advertising program is also being offered to the drycleaner for help in promoting the advantages of mothproofing, sanitizing and mold and mildew protection between cleanings.

For more information on the new Super Sanex with Dex, write Signal Chemical Mfg. Co., 5020 Richmond Rd., Bedford, Ohio.

New Colored Hangers

A new hanger, black with colored hook and neck, has been introduced by Midwest Hanger Company. Called Color Crown, the new hangers are available in red, yellow, blue, orange and green.

The manufacturer suggests that these new hangers can be used to designate rush orders, for routing purposes, as a method of signaling the spotter or seamstress and for many other production uses.

For additional information write to Midwest Hanger Company, 2100 Guinotte, Kansas City 20, Mo.

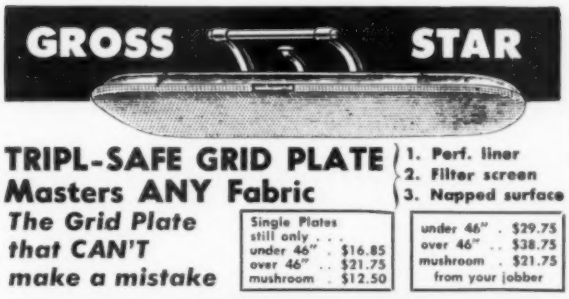
STORAGE VAULT, FUR AND SYNTHETIC CLEANING SUPPLIES

Haertel's Storage Vault and Fur cleaning supplies put added profits in your till.

- FUR SHEEN CLEANER for furs and pile coats
- POLAR SHEEN process for finishing
- FUR CLENE cleaning fluid
- TRI-EX FUMIGANT

and Cleaning bags • Sponges • carding brushes • coat hangers • garment number guides • storage boxes • button covers • garment tags • storage receipts • and a complete advertising kit.

WALTER HAERTEL COMPANY
2840 Fourth Avenue South, Minneapolis 8, Minnesota



DIRECTORY SECTIONS

The Guidebook of the Drycleaning Industry

▲ CLASSIFIED DIRECTORY . . . PAGE 197

In this section supplies and equipment used by the drycleaning industry, with their manufacturers, are listed alphabetically for easy reference. Products are listed by noun—for example, "Soaps, Wetcleaning," rather than "Wetcleaning Soaps"—except where the two words are joined together by common usage, as in "Sleeve Shapers," rather than "Shapers, Sleeve." The directory is also thoroughly cross-referenced for greater convenience. Display advertisers are listed in bold face type. For page numbers of display advertisements see the Advertisers' Index on page 338.

▲ TRADE NAMES . . . . . PAGE 258

An alphabetical list of trade names of supplies and equipment used in the drycleaning industry, with a description of each product and its manufacturer.

▲ MANUFACTURERS . . . . . PAGE 286

An alphabetical list of all equipment and supply manufacturers with their addresses. When you have found the name of the firm which manufactures the product in which you are interested under the "Classified Directory" or "Trade Names" section, consult this list for its address.

▲ LOCAL BUYERS GUIDE . . . . PAGE 296

This geographical classification of sources of supply provides complete buying information for the drycleaning industry. Here the cleaner will find the jobbers' or manufacturers' branches serving his own community. Firm names followed by (E) are jobbers for equipment; firm names followed by (S) are jobbers for supplies, and firm names followed by (E & S) are jobbers for both equipment and supplies. Bold face type indicates display advertisers. For page numbers of advertisements giving complete product descriptions see Advertisers' Index on page 338.

Every effort is made to insure the completeness and accuracy of the following directory sections. However, this information is published as a service, and no guarantee against errors or omissions is expressed or inferred. Additions or corrections are invited at any time. Please address the publisher.

CLASSIFIED DIRECTORY

manufacturers of equipment and supplies used in the drycleaning industry . . . . . .

ABSORBERS, ODOR
Davies-Young Soap Co.
Keystone Chemical Co.

ABSORBERS, VIBRATION
Aetna Felt Co., Inc.
American Brass Co., American Metal Hose Div.
American Felt Co.
Eclipse-Pioneer Div., Bendix Aviation Corp.
Flexonics Corp.
Johnson Metal Hose, Inc.
Packless Metal Hose, Inc.
U. S. Rubber Co., Textile Div.

ACCOUNTING MACHINES AND SYSTEMS
Burroughs Adding Machine Co.
National Cash Register Co.
Recordak Corp.
Remington Rand Inc.
Underwood Corp.

LEGAL DECISIONS FOR THE DRYCLEANER

damage responsibility, fire and theft rulings, storage claims, union cases and compensation claims are just a few of the many areas covered in this big, 88-page manual.

PRICE: $2.00 — WRITE:

NATIONAL CLEANER & DYER
305 E. 45th St., New York 17, N. Y.

ACETATE, ALUMINUM
See: Aluminum Acetate

ACETIC ACID
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Hachik Bleach Co.
Mallinckrodt Chemical Works
Thompson Hayward Chemical Co.

ACETONE
Mallinckrodt Chemical Works
Union Carbide Chemicals Co.
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See: Pin Carriers

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See: Counters, Automatic

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Time Savers, Inc.
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BASKETS, PLASTIC

Lewis, G. B., Co.
Meese, Inc.

BASKETS, SHIRT

Lane, W. T., & Bros., Inc.
Prosperity Co., Div. Ward Industries Corp.
Time Savers, Inc.
White Machine Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

BASKETS, WIRE
American Wire Form Corp.
Carll, Chas. W., Sons
Newhouse Specialty Co., Inc.
Stafford Mfg. Co., Inc.
Stamford Chemical Co.
Time Savers, Inc.
White Machine Co., Inc.

BASKETS, WOOD
Anderson Box & Basket Co., Inc.
Kentucky Box & Truck Co.
Lewis, G. B., Co.
Lewis National Corp.
Meese, Inc.

BEATERS, CARPET and RUG
See: Rug Beaters

BELT CEMENT
See: Cement, Belt

BELT CLEANERS
Chevlin, Samuel, Co., Inc.
Coastal Chemical Corp.
Keystone Aniline & Chemical Co.
Wye Industries

BELT CONVEYORS
See: Conveyors (under specific headings)

BELT CUTTERS
See: Cutters, Belt

BELT DRESSINGS AND PRESERVATIVES
See: Dressings, Belt

BELT FASTENERS
See: Fasteners, Belt

BELT HOLDERS
Identification, Inc.
Para-Lux Products Co.
Time Savers, Inc.
Vara, A. G., & Son, Inc.
Zimmerman Products

BELTING, LEATHER
Charlotte Leather Belting Co.
Cornell Belting Co.
Eagle Belting & Leather Co.
Graton & Knight Co.
Milwaukee Leather Belting Co.
Philadelphia Belting Co.
Webb Belting & Supply Co.
Williams, I. B., & Sons

BELTING, LEATHER, WATERPROOF
Charlotte Leather Belting Co.
Eagle Belting & Leather Co.
Graton & Knight Co.
Milwaukee Leather Belting Co.
Philadelphia Belting Co.
Webb Belting & Supply Co.
Williams, I. B., & Sons

BELTING, RUBBER
Caryle Rubber Co., Inc.
Daniels, C. R., Inc.
Gates Rubber Co.
Goodrich, B. F., Co.
New York Belting & Packing Co.
Philadelphia Belting Co.
Revolite Div., Raybestos-Manhattan, Inc.
U. S. Rubber Co.
Webb Belting & Supply Co.

BELTING, "V" DRIVE
Caryle Rubber Co., Inc.
Eagle Belting & Leather Co.
Gates Rubber Co.
Goodrich, B. F., Co.
Graton & Knight Co.
Link-Belt Co.
Milwaukee Leather Belting Co.
New York Belting & Packing Co.
Philadelphia Belting Co.
Revolite Div., Raybestos-Manhattan, Inc.
U. S. Rubber Co.
Webb Belting & Supply Co.
Wood's, T. B., Sons Co.
Worthington Corp.

BELTING, WATERPROOF LEATHER
Webb Belting & Supply Co.

BELTING, WOVEN
Daniels, C. R., Inc.
Hettrick Mfg. Co.
Hope Webbing Co.
Lally, R., Co.
New York Belting & Packing Co.
Philadelphia Belting Co.
Russell Mfg. Co.
Southern Mills, Inc.
Tingue, Brown & Co.
Toptex Corp.
Victor Balata & Textile Belting Co.
Webb Belting & Supply Co.
Zellermayer, Nathan, & Co.

BELT LACERS
See: Lacers, Belt

BELT PRESERVATIVES
See: Preservatives, Belt

BENCH SCALES
See: Scales

BENTONITE CLAY
See: Clay, Bentonite

BINDING, BLANKET
Hope Webbing Co.
Lally, R., Co.
Piolet Button & Novelty Corp.
Zuckerberg Co.

BINDING, CARPET AND RUG
Daniels, C. R., Inc.
Fleischer Mills, Inc.

BINDING TAPE
See: Tape, Binding

BINS, STORAGE
Angle Steel, Inc.
Berger Mfg. Div., Republic Steel Corp.
Bernard-Franklin Co., Inc.
Bishop David Freeman Co.
Brady Conveyors Corp.
General Metals, Inc.
Graver Tank & Mfg. Co., Inc.
Industrial Products Co.
Kirk & Blum Mfg. Co.
Leader Iron Works
Lewis-Shepard Products, Inc.
Miller Laundry Machinery Co.
Republic Steel Corp.
Steele, J. W., & Co.
Stephens-Adamson Mfg. Co.
Time Savers, Inc.

BIN TAGS
See: Tags, Bin

BLANKET BINDING
See: Binding, Blanket

BLANKET FINISHERS
See: Finishers, Blanket

BLANKET STRETCHERS
See: Stretchers, Blanket

BLANKET WASHERS
See: Washers, Blanket

BLAST HEATERS
See: Heaters, Blast

BLEACH
Abso-Clean Chemical Co.
Arnold-Hoffman & Co., Inc.
Calgon Div., Hagan Chemicals & Controls, Inc.
Carlton Chemical Co., Inc.
Chloral Chemical Corp.
Clorox Chemical Co.
Columbia-Southern Chemical Corp.
Cowles Chemical Co.
Dello Products Co.
Diamond Chemical Co., Inc.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Eaton Chemical & Dyestuff Co.
Gliss'n Products Co., Inc.
Hachik Bleach Co.
Harrison, Robt. D., Inc.
Hood Chemical Co., Inc.
Kaleen Chemical Corp.
Kliegman Bros., Inc.
Kohnstamm, H., & Co., Inc.
Mallinckrodt Chemical Works
Martens Chemical Corp.
North American Dye Corp.
Olin Mathieson Chemical Corp., Industrial Chemicals Div.
Patek & Co.
Patterson Laboratories, Inc.
Pennsalt Chemicals Corp.
Reslabs, Inc., Div. Linco Products Corp.
Riverside Chemical Co., Inc.
Robins, G. S., & Co.
Stearns, George, Chemical & Mfg. Co.
Sterling Supply Corp.
Thompson-Hayward Chemical Co.
Tremm Chemical Corp.
Trio Chemical Works, Inc.
Ultra White Co.
Warco Laboratories, Inc.
Washine Chemical Corp.

BLEACH GENERATORS
See: Bleach-Making Machines

BLEACHING POWDER
Arnold-Hoffman & Co., Inc.
Beach Soap Co.
Chloral Chemical Corp.
Columbia-Southern Chemical Corp.
Cowles Chemical Co.
Diamond Chemical Co., Inc.
Drew, E. F., & Co., Inc.
Duo-White Co
Gliss'n Products Co. Inc.
Hummel Chemical Co.
Innis, Speiden & Co.
Kaleen Chemical Corp.
Kenco Chemical Co., Inc.
Kohnstamm, H., & Co., Inc.
Nu-Pro Mfg. Co.
Olin Mathieson Chemical Corp., Industrial Chemicals Div.
Pennsalt Chemicals Corp.
Reslabs, Inc., Div. Linco Products Corp.
Sergeant, E. M., Pulp & Chemical Co., Inc.
Speedlite Chemical Co.
Sterling Supply Corp.
Street, R. R., & Co., Inc.
Warco Laboratories, Inc.

Warco LABORATORIES
TEN-MINIT
ALL-COLER
ACTIVATED PERBORATE

Wilson, A. L. Chemical Co.
Wyandotte Chemicals Corp., J. B. Ford Div.

BLIND-STITCH SEWING MACHINES
See: Sewing Machines, Blind-Stitch

BLOCKING MACHINES, HAT
Acme Hatters Supply Co.
American Hatters Supplies, Inc.
Excelsior Machinery Co.
Hatters Supply House, Inc.
National Hatters Supply Co., Inc.
Pantex Mfg. Corp.

BLOCKS, COLLAR FORMING
See: Collar Forms

BLOCKS, HANGER AND PILLOW
Bond Foundry & Machine Co.
Link-Belt Co.
Stephens-Adamson Mfg. Co.
Wood's, T. B., Sons Co.

BLOOD REMOVER
See: Spot Removers, Spotting Agents, Stain Removers

BLOWDOWN SYSTEMS, BOILER
Bros., Wm., Boiler & Mfg. Co.
Cochrane Corp.

(Continued on next page)

BOLD TYPE LISTINGS

*Indicates display advertisers. For more information about their products, **see the index of advertisers** for page numbers.*

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

Blowdown Systems, Boiler *(Continued)*

Davis Engineering Corp.
Fulton Boiler Works, Inc.
Graver Tank & Mfg. Co., Inc.
Hapman-Dutton Co.
Parker, Sid E., Boiler Mfg. Co.
Kisco Boiler & Engineering Co.
Stout, David, & Sons
Strong, Carlisle & Hammond Div.
Vapor Heating Corp.
Whitlock Mfg. Co.
Williams & Davis Boiler & Welding Co., Inc.

BLOWERS

Alton Mfg. Co.
American Blower Corp., Div. American-Standard
Breuer Electric Mfg. Co.
Chelsea Fan & Blower Co., Inc.
Clarage Fan Co.
Cleveland Heater Co.
De Laval Steam Turbine Co.
Eclipse Fuel Engineering Co.
Hild Floor Machine Co., Inc.
Ideal Industries, Inc.
Lamson Corp.
Mackler, B., & Sons
Martin Fan & Blower Co.
Mine Safety Appliances Co.
Moore Co.
Multi-Clean Products, Inc.
National Engineering & Mfg. Co.
National Ventilating Systems Div., National System of Garage Ventilation, Inc.
Roots-Connersville Blower Corp.
Schwitzer-Cummins Co.
Trane Co.

BLOWOFF VALVES

See: Valves, Blowoff

BLUE

Abso-Clean Chemical Co.
Beach Soap Co.
Cowles Chemical Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Drew, E. F., & Co., Inc.
Baton Chemical & Dyestuff Co.
Ford, Luther, & Co.
Heller, B., & Co.
Hood Chemical Co., Inc.
Johnson Chemical Industries, Inc.
Kaleen Chemical Corp.
Keystone Aniline & Chemical Co.
Kliegman Bros., Inc.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
North American Dye Corp.
Patek & Co.
Pennsalt Chemicals Corp.
Speare Co.
Van Chemical Co.
Washine Chemical Corp.

BOARDS, IRONING

See: Ironing Boards and Tables

BOARDS, PRESS (DRYCLEANING)

See: Pressing Boards (Drycleaning)

BOARDS, SHIRT

See: Shirt Boards

BOARDS, SHIRT-FOLDING

See: Shirt-Folding Boards

BOARDS, SPOTTING

See: Spotting Boards and Tables

BOARDS, STEAM

See: Steam Boards

BOILER BLOWDOWN SYSTEMS

See: Blowdown Systems, Boiler

BOILER COMPOUNDS

Acme Industrial Compounds Corp.
Behrstock, L., Co.
Calgon Div., Hagan Chemicals & Controls, Inc.
Chloral Chemical Corp.
Coastal Chemical Corp.
Culligan, Inc.
Diamond Chemical Co., Inc.
Doctor Boiler, Inc.

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Elgin Softener Corp.
General Chemical Div., Allied Chemical & Dye Corp.
Huntington Laboratories, Inc.
Johns-Manville
Johnson, W. F., Products Co.
Kisco Boiler & Engineering Co.
KleanMore Laboratories, Inc.
Lattner, P. M., Mfg. Co.
Lincoln Research, Inc.
Marvel Mfg. Co.
Namco Chemical Corp.
National Chemical Sales Co., Inc.
Patek & Co.
Permutit Co.
Riverside Chemical Co., Inc.
Scientific Boiler Water Conditioning Co.
State Mfg. Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Strong, Carlisle & Hammond Div.
Water Service Laboratories, Inc.
Wye Industries

BOILER FEED PUMPS

See: Pumps, Boiler Feed

BOILER FEED SYSTEMS

Alert Boiler & Mfg. Co.
Carver, Tom, Inc.
Cissell, W. M., Mfg. Co., Inc.
Columbia Boiler Co. of Pottstown
Combustion Control Corp.
Cyclotherm Div., National-U. S. Radiator Corp.
Decatur Pump Co.
Dixon Boiler Works
Drew, E. F., & Co., Inc.
Eclipse Fuel Engineering Co.
Fulton Boiler Works, Inc.
Hapman-Dutton Co.
Johnson Corp.
Kisco Boiler & Engineering Co.
Lakewood Manufacturing Co.
Lattner, P. M., Mfg. Co.
Livingstone Engineering Co.
Lookout Boiler & Mfg. Co.
McDonnell & Miller, Inc.
Marvel Mfg. Co.
Nicholson, W. H., & Co.
New York Pressing Machinery Corp.
Pantex Mfg. Corp.
Parker, Sid E., Boiler Mfg. Co.
Permutit Co.
Proportioneers, Inc.
Roth, Roy E., Co.
Republic Flow Meters Co.
Schaub, Fred H., Engineering Co.
Sellers Engineering Co.
Southern Machinery Co.
Spotswood Parker & Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp.
Stout, David, & Sons
Wright-Austin Co.
Williams & Davis Boiler & Welding Co., Inc.

BOILER FEED TESTING SYSTEMS

See: Testing Systems, Boiler Feed

BOILER FEED TRAPS

See: Traps, Boiler Feed

BOILER FUEL CUTOFFS, LOW WATER

Bros, Wm., Boiler & Mfg. Co.
Campbell, J. A., Co.
Eclipse Fuel Engineering Co.
Johnson Corp.
Kisco Boiler & Engineering Co.
McDonnell & Miller, Inc.
Minneapolis-Honeywell Regulator Co.
Schaub, Fred H., Engineering Co.
Watts Regulator Co.

BOILER LEVEL RECORDERS

See: Controls and Regulators

BOILER METERS

See: Meters, Boiler

BOILER NON-RETURN VALVES

See: Valves, Boiler Non-Return

BOILER PROTECTORS

See: Protectors, Boiler

BOILER REPAIR COMPOUND

Drew, E. F., & Co., Inc.
Steelcote Mfg. Co.

BOILER RETURN SYSTEMS

Alert Boiler & Mfg. Co.
Carver, Tom, Inc.
Cissell, W. M., Mfg. Co., Inc.
Cochrane Corp.
Columbia Boiler Co. of Pottstown
Cyclotherm Div., National-U. S. Radiator Corp.
Decatur Pump Co.
Dixon Boiler Works
Eclipse Fuel Engineering Co.
Forse Corp.
Fulton Boiler Works, Inc.
Gabriel Boiler & Fabrication Co.
General Boiler Equipment Corp.
Goldman Pressing Machine Corp.
Hapman-Dutton Co.
Healy-Ruff Co.
Johnson Corp.
Kisco Boiler & Engineering Co.
Lakewood Manufacturing Co.
Lattner, P. M., Mfg. Co.
Lookout Boiler & Mfg. Co.
McDonnell & Miller, Inc.
Marvel Mfg. Co.
Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
Morehead Mfg. Co.
New York Pressing Machinery Corp.
Nicholson, W. H., & Co.
Pantex Mfg. Corp.
Parker, Sid E., Boiler Mfg. Co.
Patterson-Kelley Co., Inc.
Schaub, Fred H., Engineering Co.
Sellers Engineering Co.
Spotswood Parker & Co.
Steamaster Automatic Boiler Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp.
Stone Boiler Equipment Co.
Stout, David, & Sons
Superior Boilers Works
Superior Combustion Industries, Inc.
United Brass Works, Inc.
Webster, Warren, & Co.
Williams & Davis Boiler & Welding Co., Inc.

BOILERS AND STEAM GENERATORS

Alert Boiler & Mfg. Co.
Ames Iron Works, Inc.
Automatic Steam Products Corp.
Besler Corp.
Boiler Engineering & Supply Co., Inc.
Bros, Wm., Boiler & Mfg. Co.
Brownell Co.
Bryan Steam Corp.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Canton Stoker Corp.
Carver, Tom, Inc.
Clayton Mfg. Co.
Cleaver-Brooks Co.
Coates Electric Mfg. Co.
Columbia Boiler Co. of Pottstown
Combustion Engineering Co., Inc.
Cooper, H. P., & Co.
Crown Mfg. Co.
Custom Engineering Co.
Cyclotherm Div., National-U. S. Radiator Corp.
Dewey-Shepard Boiler Co.
Dixon Boiler Works
Eclipse Fuel Engineering Co.
Erie City Iron Works
Forse Corp.
Fulton Boiler Works, Inc.

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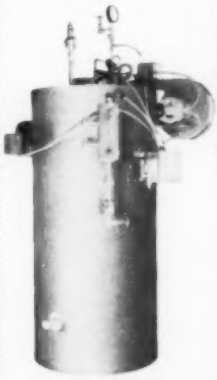

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Hapman-Dutton Co.
International Boiler Works Co.
Johnston Bros., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

Keeler, E., Co.
Kewanee Boiler Corp.
Kisco Boiler & Engineering Co.
Kresky Mfg. Co., Inc.
Lattner, P. M., Mfg. Co.
Leffel, James, & Co.
Livingstone Engineering Co.
Lookout Boiler & Mfg. Co.
Lucey Boiler & Mfg. Co.
McDonnell & Miller, Inc.
Martin Equipment Co., Div. American Laundry Machinery Co.
Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
Morheat Corp.
New York Pressing Machinery Corp.
Nicholson, W. H., & Co.
Old Dominion Iron & Steel Corp.
Ontario Iron Works
Orr & Sembower, Inc.
Parker, Sid E., Boiler Mfg. Co.
Queen City Engineering Co., Inc.
Sellers Engineering Co.
Siebring Mfg. Co.
Steamaster Automatic Boiler Co.
Steam Engineering & Sales Co.
Stone Boiler Equipment Co.
Stout, David, & Sons
Superior Boiler Works
Superior Combustion Industries, Inc.
Titusville Iron Works Co., Div. Struther Wells Corp.
Troy Engine & Machinery Corp.
Vapor Heating Corp.
Western Boiler Co.
Williams & Davis Boiler & Welding Co., Inc.
York-Shipley, Inc., Industrial Div.

BOILER SCALE SOLVENT

Acme Industrial Compounds Corp.
Calgon Div., Hagan Chemicals & Controls, Inc.
Coastal Chemical Corp.
Doctor Boiler, Inc.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Kisco Boiler & Engineering Co.
KleanMore Laboratories, Inc.
Marvel Mfg. Co.
National Chemical Sales Co., Inc.
Oakite Products, Inc.
Patek & Co.
Permutit Co.
Riverside Chemical Co., Inc.
Strong, Carlisle & Hammond Div.
Trio Chemical Works, Inc.
Wye Industries

BOILER WATER TREATMENT

Acme Industrial Compounds Corp.
American Water Softener Co.
Butler Engineering Co.
Calgon Div., Hagan Chemicals & Controls, Inc.
Cepi-American Inc.
Clayton Mfg. Co.
Coastal Chemical Corp.
Cochrane Corp.
Culligan, Inc.
Doctor Boiler, Inc.
Dow Chemical Co.
Drew, E. F., & Co., Inc.
Elgin Softener Corp.
General Chemical Div., Allied Chemical & Dye Corp.
Graver Tank & Mfg. Co., Inc.
Hagan Corp.
Hungerford & Terry, Inc.
Huntington Laboratories, Inc.
Infilco Inc.
Kisco Boiler & Engineering Co.
Lincoln Research, Inc.
Marvel Mfg. Co.
National Aluminate Corp.
National Chemical Sales Co., Inc.
Permutit Co.
Proportioneers, Inc.
Riverside Chemical Co.
Scientific Boiler Water Conditioning
Stearns, George, Chemical & Mfg. Co.
Strong, Carlisle & Hammond Div.
Wye Industries

BONE BUTTONS

See: Buttons

BOOKKEEPING MACHINES

See: Registers, Cash and Control

BOOKS, SALES

See: Sales Books

BOOTS, RUBBER

Goodrich, B. F., Co.
U. S. Rubber Co.

BORAX

Columbia-Southern Chemical Corp.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Innis, Speiden & Co.
Pacific Coast Borax Co.
Sergeant, E. M., Pulp & Chemical Co., Inc.
Stauffer Chemical Co.

BOXES, FIBER AND PAPER

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Automatic Paper Box Corp.
Brooks, Alfred J
Campbell Box & Tag Co.

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Continental Can Co.
Cooper, H. P., & Co.
Cornell Paperboard Products Co.
Empire Cardboard Corp.
Gaylord Container Div., Crown Zellerbach Corp.
Goldman Mfg. Co.
Gronauer, M. H., Co.
Haertel, Walter, Co.
International Paper Co., Southern Kraft Div.
Loroco Industries, Inc.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Middlesex Paper Tube Co., Inc.
Morey Seldin Machinery Corp.
Package Masters, Inc.

Karry Kit Boxes
PACKAGE MASTERS, INC.
2525 So. Wabash Ave., Chicago 16, Illinois

Para-Lux Products Co.
Quik-Pac Div., H. Wesley Hutchins Co.
Reliable Laundry Supplies
Rosenthal Paper Co.
Spear Box Co., Inc.
Sutherland Paper Co.
U. S. Tissue Converting Co.
West Side Corp.

BOXES, METAL

Bernard-Franklin Co., Inc.
Eastern Cyclone Conveyor System, Inc.
General Metals, Inc.
Haertel, Walter, Co.
Kirk & Blum Mfg. Co.
Republic Steel Corp.

BOXES, STORAGE

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Anderson Box & Basket Co., Inc.
Kentucky Box & Truck Co.
Lewis, G. B., Co.
Thoro Products Co.

BRASS

See: Copper and Brass

BRASS PIN CARRIERS

See: Pin Carriers

BREAK POWDER

Acme Soap Co.
Armour & Co., Industrial Soap Dept.
Beach Soap Co.
Coastal Chemical Corp.
Concord Chemical Co., Inc.
Cowles Chemical Co.
Diamond Alkali Co.
Drew, E. F., & Co., Inc.
Kliegman Bros., Inc.
Laundry Chemicals Co.
Los Angeles Soap Co.
M & M Chemical Co.
Minnesota Chemical Co.
Oakite Products, Inc.
Pennsalt Chemicals Corp.
Procter & Gamble Distributing Co.
Speare Co.
Speedlite Chemicals Co.
Stadham Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Swift & Co., Industrial Soap Dept.
Thompson Hayward Chemical Co.
Van Chemical Co.
Wyandotte Chemicals Corp., J. B. Ford Div.

BRICK PAINT

See: Paint

BRUSHES

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Atlanta Brush Co.

Spotting – Finishing – Scrubbing
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Braun Brush Co.
Certified Chemical & Equipment Co.
Cohen, Abe, & Son
Dyo Chemical Co.
Glamorene, Inc.
Hatters Supply House, Inc.
National Hatters Supply Co., Inc.
Newhouse Specialty Co., Inc.
Pennington Co.

BRUSHES, ROTARY (RUG AND FUR CLEANING)

See: Rotary Brushes (rug cleaning) or Rotary Brushes (fur cleaning)

BUCKETS AND PAILS

Allcraft Mfg. Co., Inc.
Continental Can Co.
Daniels, C. R., Inc.
General Scientific Equipment Co.
Goodrich, B. F., Co.
Knight, Maurice A.
Rochester Can Co.

BUCKETS AND PAILS, ACID-RESISTING

Allcraft Mfg. Co., Inc.
Gates Rubber Co.
Goodrich, B. F., Co.
International Nickel Co., Inc
Kirk & Blum Mfg. Co.

BUCKLE COVERS

See: Covers, Button and Buckle

BUCKLES, CLOTH-COVERED (MOLDS)

Handy Button Machine Co.
Maxant Button & Supply Co.
Prym, William, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

BUILDERS, SOAP

Armour & Co., Industrial Soap Dept.
Carlton Chemical Co., Inc.
Coastal Chemical Corp.
Concord Chemical Co., Inc.
Cowles Chemical Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Dow Chemical Co.
Drew, E. F., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Kohnstamm, H., & Co., Inc.
Laundry Chemicals Co.
Lewis National Corp.
Los Angeles Soap Co.
M & M Chemical Co.
Maas, A. R., Chemical Co., Div. Victor Chemical Works
Minnesota Chemical Co.
North Coast Chemical & Soap Works
Pennsalt Chemicals Corp.
Philadelphia Quartz Co.
Rumford Chemical Works
Solvay Process Div., Allied Chemical & Dye Corp.
Speare Co.
Speedlite Chemicals Co.
Stadham Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Sterling Supply Corp.
Thompson-Hayward Chemical Co.
Van Chemical Co.
Victor Chemical Works
Wurco Laboratories, Inc.

BUILDINGS, PREFABRICATED

Butler Mfg. Co
Porto-Fab Co., Inc.
Sayve Corp. of America

BUNDLE DROPS

Garment Finishing Equipment Corp.
Park'N Clean
Shop-In-Car Corp.

BUNDLE RACKS

See: Racks, Bundle

BUNDLE SEPARATORS

Bonn, F. H., Co.
Carson Textile Co.
Lally, R., Co.

BUNDLE TYERS

Bunn, B. H., Co.
National Bundle Tyer Co.

BURNERS, COAL

See: Stokers

BURNERS, GAS

Anthony Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Chicago Dryer Co.
Cleaver Brooks Co.
Combustioneer Div., Steel Products Engineering Co.
Crane Co.
Dewey-Shepard Boiler Co.
Eclipse Fuel Engineering Co.
Erie City Iron Works
Lattner, P. M., Mfg. Co.
Marvel Mfg. Co.
Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
National Airoil Burner Co., Inc.
New York Pressing Machinery Corp.
Norman Control Co.
Orr & Sembower, Inc.
Peabody Engineering Corp.
Petro Div., Iron Fireman Mfg. Co.
Ray Oil Burner Co.
Rockwell, W. S., Co.
Sellers Engineering Co.
Simplex Oil Heating Corp.
Stout, David, & Sons
Trane Co.
Western Boiler Co.
Will-Burt Co.
Williams & Davis Boiler & Welding Co., Inc.

BURNERS, GAS-OIL

Anthony Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Cleaver-Brooks Co.
Crane Co.
Dewey-Shepard Boiler Co.
Eclipse Fuel Engineering Co.
Engineer Co.
Erie City Iron Works
Johnson Bros., Inc.
Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
National Airoil Burner Co., Inc.
Orr & Sembower, Inc.
Peabody Engineering Corp.
Petro Div., Iron Fireman Mfg. Co.
Ray Oil Burner Co.
Rockwell, W. S., Co.
Simplex Oil Heating Corp.
Steamaster Automatic Boiler Co.
Western Boiler Co.
Williams & Davis Boiler & Welding Co., Inc.

BURNERS, OIL

Anthony Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Cleaver-Brooks Co.
Combustioneer Div., Steel Products Engineering Co.
Crane Co.
Dewey-Shepard Boiler Co.
Eclipse Fuel Engineering Co.
Engineer Co.
Erie City Iron Works
General Electric Co.
Johnston Bros., Inc.
Kol-Master Corp.
Malleable Iron Fittings Co.
Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
National Airoil Burner Co., Inc.
Orr & Sembower, Inc.
Peabody Engineering Corp.
Petro Div., Iron Fireman Mfg. Co.
Ray Oil Burner Co.
Rockwell, W. S., Co.
Simplex Oil Heating Corp.
Western Boiler Co.
Will-Burt Co.
Williams & Davis Boiler & Welding Co., Inc.
York-Shipley, Inc.

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Liberty Marking Tag Co., Inc.

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BUTTON COVERS

See: Covers, Button and Buckle

BUTTON FASTENERS

Bishop David Freeman Co.
Prym, William, Inc.

BUTTONS

Eureka Button Co.
Hygrade Button & Supply Co.
Lieberman, B. & G. Co., Inc.
New York High Grade Button Works
Osborn Bros.
Piolet Button & Novelty Corp.
Zuckerberg Co.

BUTTONS, CLOTH-COVERED MACHINES AND MOLDS

Handy Button Machine Co.
Maxant Button & Supply Co.
Prym, William, Inc.

BUTTON SEWING MACHINES

Chandler Machine Co.
Maxant Button & Supply Co.
Singer Sewing Machine Co., Inc.

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Hopkins Equipment Co.

Hopkins
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Huebsch Originators
Kisco Boiler & Engineering Co.
Mitchell, J. B., Co.
National Dryer Mfg. Co.
Vic Mfg. Co.

CABINETS, PIN-TRAY

See: Pin-Tray Cabinets

CABINETS, STEEL

Angle Steel, Inc.
Berger Mfg. Div., Republic Steel Corp.
Bernard-Franklin Co., Inc.
Carey, Philip, Mfg. Co.
Eastern Cyclone Conveyor System, Inc.
General Detroit Corp.
Kirk & Blum Mfg. Co.
Pullclean Towel Cabinet System
Remington Rand, Inc.
Republic Steel Corp.
Time Savers, Inc.

CABINETS, STERILIZING

See: Sterilizing Cabinets

CABINETS, STORAGE

See: Storage Cabinets

CABINETS, TOWEL

See: Towel Cabinets

CALCIUM HYPOCHLORITE

See: Bleach

CANOPIES, FLATWORK IRONER

See: Flatwork Ironer Canopies

CANS

See: Buckets and Pails

CANS, DIAPER

See: Diapers

CANS, SAFETY

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Eagle Mfg. Co.

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CANVAS APRONS

See: Aprons, Canvas or Duck

CANVAS BAGS

See: Bags (under specific headings)

CANVAS BASKETS

See: Baskets, Canvas

CANVAS CEMENT (APRON)

See: Cement, Canvas (Apron)

CANVAS HAMPERS

See: Hampers

CANVAS PIN CARRIERS

See: Pin Carriers

CANVAS TRUCKS

See: Trucks, Industrial

CAPES, WIRE-HANGER

Academy Paper Box Co.
Cade Paper & Bag Corp.
Great Eastern Paper Converters, Inc.
Phoenix Products Co.
Spear Box Co., Inc.
West Side Corp.

CARBON, ACTIVATED

See: Activated Carbon

CARBON DIOXIDE (CO_2) INDICATORS

See: Indicators (CO_2)

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

CARBON TETRACHLORIDE
Diamond Alkali Co.
Dow Chemical Co.
Innis-Speiden & Co.
Mallinckrodt Chemical Works
Solvay Process Div., Allied Chemical & Dye Corp.
Stauffer Chemical Co.
Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.

CARDING CLOTH
Lally, R., Co.
Rosenthal Mfg. Co.
U. S. Rubber Co.

CARPET AND RUG BEATERS
See: Rug Beaters

CARPET AND RUG BINDING
See: Binding, Rug and Carpet

CARPET AND RUG CLEANING EQUIPMENT
See: Rug and Carpet Cleaning Equipment

CARPET AND RUG DRIERS
See: Driers, Rug and Carpet

CARPET AND RUG DUSTERS
See: Dusters, Rug and Carpet

CARPET AND RUG SCRUBBING MACHINES
See: Scrubbing Machines, Rug and Carpet

CARPET AND RUG WRINGERS
See: Wringers, Rug and Carpet

CARRIAGES, SHIRT
See: Shirt Carriages

CARRIERS, WHEELED
See: Carts, Garment

CARTS, GARMENT AND LAUNDRY
Blair Hunt Co.
Bishop David Freeman Co.
Cleaners Sales & Equipment Co.
Colson Corp.
Container Development Corp.
Daniels, C. R., Inc.
Flow Master Machine Corp.
H. & E. Rack Co.
Keyes-Davis Co.
Leebaw Mfg. Co.
Magline, Inc.
Meese, Inc.
Nutting Truck & Caster Co.
Railex Corp.
Reliable Machine Works, Inc.
Smith, R. B., & Co.
Speare Co.
Steele Canvas Basket Co., Inc.
Time Savers, Inc.
United Steel & Wire Co.
V & W Equipment, Inc.
White Machine Co., Inc.
Young, Paul O., Co.

CASES, GLOVE
Phoenix Products Co.
Rosenthal Paper Co.
Spear Box Co., Inc.

CASES, NECKTIE
Nashua Corp.
Phoenix Products Co.
Rosenthal Paper Co.
Spear Box Co., Inc.
Time Savers, Inc.

CASES, SHIPPING
Anderson Box & Basket Co., Inc.
Cornell Paperboard Products Co.
Kentucky Box & Truck Co.
Spear Box Co., Inc.

CASH REGISTERS
See: Registers, Cash and Control

CASTERS, TRUCK, FURNITURE, ETC.
Aerol Co., Inc.
Bassick Co.
Bernard-Franklin Co., Inc.
Colson Corp.
Darnell Corp., Ltd.
Fairbanks Co.
Lane, W. T., & Bros., Inc.
Southern Mills, Inc

CAUSTIC SODA (SODIUM HYDROXIDE)
Columbia-Southern Chemical Corp.
Diamond Alkali Co.
Dow Chemical Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Hooker Electrochemical Co.
Innis, Speiden & Co.
Mallinckrodt Chemical Works
Olin Mathieson Chemical Corp., Industrial Chemicals Div.
Solvay Process Div., Allied Chemical & Dye Corp.
Stauffer Chemical Co.
U. S. Industrial Chemicals Co., Div. National Distillers & Chemical Corp.

CELLOPHANE PRODUCTS
Cade Paper & Bag Corp.
Clear-View Packaging Co.
Colonial Envelope Co., Inc.
Cornet Envelope & Paper Co., Inc.
Cupple-Hesse Corp.
Duro Envelope Co.
DuPont de Nemours, E. I., & Co., Inc.
Freydberg Bros.-Strauss, Inc.
Kwik-Kover Sales Co.
Kordite Co., Div. Textron, Inc.
Loroco Industries, Inc.
Mehl Mfg. Co.
New York Twine Corp.
Olin Cellophane Div., Ecusta Paper Corp.
Pak-Rite Flexible Packaging Co.
Phoenix Products Co.
Southland Enterprises
Spear Box Co., Inc
Steinman Paper Products
Sylvania Div., American Viscose Corp.
Tele-Vue Packaging Products, Inc.
Time Savers, Inc.
West Side Corp.

CEMENT, BELT
Du Pont de Nemours, E. I., & Co., Inc.
Goodrich, B. F., Co.
Graton & Knight Co.
U. S. Rubber Co.
Victor Balata & Textile Belting Co.
Williams, I. B., & Sons

CEMENT, CANVAS, (APRON)
Adhesive Products Corp.
Goodrich, B. F., Co.
Kohnstamm, H., & Co., Inc.
Lally, R., Co.
Lewis National Corp.
Philadelphia Quartz Co.
Pittsburgh Waterproof Co.
Stadham Co., Inc.
Tingue, Brown & Co.
Washine Chemical Corp.

CEMENT, LEATHER BELTING
Cornell Belting Co.
DuPont de Nemours, E. I., & Co., Inc.
Goodrich, B. F., Co.
Graton & Knight Co.
Milwaukee Leather Belting Co.
Webb Belting & Supply Co.
Williams, I. B., Sons

CEMENT PAINT
See: Paint

CENTRIFUGAL PUMPS
See: Pumps (under specific headings)

CENTRIFUGAL PUMPS, SELF-PRIMING
See: Pumps (under specific headings)

CHAIN DRIVES
Boston Gear Works, Inc.
Diamond Chain Co., Inc.
Link-Belt Co.
Ramsey Chain Co., Inc.

CHAIN GRATE STOKERS
See: Stokers

CHAIN TRANSMISSION
See: Transmission, Chain

CHARGE SYSTEMS, DRYCLEANING
See: Detergents, Drycleaning, Charged Type

CHEMICAL FEEDERS
See: Feeders, Chemical

CHEMICAL PUMPS
See: Pumps, Chemical

CHEMICALS, BOILER-WATER
See: Boiler-Water Chemicals

CHEMICALS, STEAM-TREATING
See: Steam-Treating Chemicals

CHLORINATORS, WATER
American Water Softener Co.
Calgon Div., Hagan Chemicals & Controls, Inc.
Culligan, Inc.
Elgin Softener Corp.
Hungerford & Terry, Inc.
Proportioneers, Inc.

CHLORINE CONTROL EQUIPMENT
Elgin Softener Corp.
Taylor, W. A., & Co.

CHLORINE, LIQUID
Arnold-Hoffman & Co., Inc.
Columbia-Southern Chemical Corp.
Diamond Alkali Co.
Hooker Electrochemical Co.
Olin Mathieson Chemical Corp., Industrial Chemicals Div.
Solvay Process Div., Allied Chemical & Dye Corp.
Stauffer Chemical Co.
Tremm Chemical Corp.
U. S. Industrial Chemicals Co., Div. National Distillers & Chemical Corp.

CHLORINE TEST KITS
See: Test Kits, Chlorine

CHLOROFORM
Diamond Alkali Co.
DuPont de Nemours, E. I., & Co., Inc.
Mallinckrodt Chemical Works
Solvay Process Div., Allied Chemical & Dye Corp.
Stauffer Chemical Co.

CHUTES, METAL
Eastern Cyclone Conveyor System, Inc.
Graver Tank & Mfg. Co., Inc.
Kirk & Baum Mfg. Co.
National Marking Machine Co.
Republic Steel Corp.
Rosenthal Mfg. Co.

CIRCULATING PUMPS
See: Pumps, Circulating

CIRCULATING SOAP SYSTEMS
Eastern Cyclone Conveyor System, Inc.

CLAMPS, COVER-CLOTH
See: Cover-Cloth Clamps or Strings

CLARIFIERS, SOLVENT
See: Filters, Filter Powders, Stills, and Sweetening and Purifying Agents, Solvent

CLAY, BENTONITE
American Colloid Co.
Drew, E. F., & Co., Inc.
Innis, Speiden & Co.
Wyandotte Chemicals Corp., J. B. Ford Div.
Wyotana Mining Co.

CLAY, COLLOIDAL
American Colloid Co.
Attapulgus Clay Co.
Innis, Speiden & Co
Wyandotte Chemicals Corp., J. B. Ford Div.
Wyotana Mining Co.

CLEANERS, AIR
See: Air Cleaners

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

CLEANERS, PRESS
See: Press Cleaners

CLEANERS, PRESS-HEAD
See: Press-Head Cleaners

CLIPPER-LACED APRONS
See: Aprons, Clipper-Laced

CLIPS, HANGER
See: Hanger Clips

CLOCKS, TIME
See: Controls and Regulators, Time

CLOCKS, WATCHMAN'S
Detex Watchclock Corp.
Lathem Time Recorder Co.

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American Associated Cos.
Bonn, F. H., Co.
Callaway Mills, Inc.
Carson Textile Co.
Daniels, C. R., Inc.
Gibraltar Fabrics, Inc.
Johns-Manville
Lally, R., Co.
Mount Vernon Mills, Inc.
Pittsburgh Waterproof Co.
Quality Products Co.
Revolite Div., Raybestos-Manhattan, Inc.
Smith, X. S., Inc.
Southern Mills, Inc.
Stadham Co., Inc.
Tingue, Brown & Co.
Toptex Corp.
U. S. Rubber Co., Textile Div.
Whitehouse Nylon Products
Zellermayer, Nathan, & Co.

CLOTH BAGS
See: Bags, Cloth

CLOTH, CARDING
See: Carding Cloth

CLOTH, COVER
Aetna Felt Co., Inc.
American Associated Cos.
Arrow Mfg. Co.
Callaway Mills, Inc.
Cissell, W. M., Mfg. Co., Inc.
Daniels, C. R., Inc.
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Gibraltar Fabrics, Inc.
Hooper, Wm. E., & Sons Co.
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Lally, R., Co.
Magla Products
Mount Vernon Mills, Inc.
Patek & Co.
Pittsburgh Waterproof Co.
Quality Products Co.
Revolite Div., Raybestos-Manhattan, Inc.
Smith, X. S., Inc.
Southern Mills, Inc.
Stanley, John T., Inc.
Stadham Co., Inc.
Sterling Supply Corp.
Thomaston Mills
Tingue, Brown & Co.
Toptex Corp.
U. S. Rubber Co., Textile Div.
Whitehouse Nylon Products
Zellermayer, Nathan, & Co.
Zuckerberg Co.

CLOTH CUTTERS
See: Cutters, Cloth

CLOTH DAMPENERS
See: Dampeners, Cloth

CLOTH, FILTER
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Callaway Mills, Inc.
Daniels, C. R., Inc.
Iselin-Jefferson Co., Inc.
Jomac Inc.
Mount Vernon Mills, Inc.
Pittsburgh Waterproof Co.
Southern Mills, Inc.
Toptex Corp.
Union Carbide Chemicals Co., Div. Union Carbide Corp.
Whitehouse Nylon Products
Zellermayer, Nathan, & Co.

CLOTH, GLASS WOVEN
Daniels, C. R., Inc.
J-G Chemists

CLOTH, PRESS
American Associated Cos.
American Felt Co.
Arms Textile Mfg. Co.
Arrow Mfg. Co.
Bonn, F. H., Co.
Burcott Mills
Callaway Mills, Inc.
Carson Textile Co.
Daniels, C. R., Inc.
Egan Cotton Mills
Gibraltar Fabrics, Inc.
Jomac, Inc.
Lally, R., Co.
Lewis National Corp.
Mount Vernon Mills, Inc.
Norton & Williams, Inc.
Patek & Co.
Pittsburgh Waterproof Co.
Quality Products Co.
Robins, G. S., & Co.
Smith, X. S., Inc.
Southern Mills, Inc.
Stadham Co., Inc.
Thomaston Mills
Tingue, Brown & Co.
Toptex Corp.
Whitehouse Nylon Products
Zellermayer, Nathan, & Co.
Zuckerberg Co.

CLOTH, SURFACE
Arms Textile Mfg. Co.
Callaway Mills, Inc.
Carson Textile Mfg. Co., Inc.
Gibraltar Fabrics, Inc.
Stadham Co., Inc.
Tingue, Brown & Co.
Toptex Corp.
Zellermayer, Nathan, & Co.

CLOTH, WIPING
See: Wiping Cloths

COILS, HEATING AND COOLING
Acme Industries, Inc.
American Blower Corp., Div. American-Standard
Crane Co.
Crucible Steel Co. of America
Davis Engineering Corp.
Dunham-Bush, Inc.
Modine Mfg. Co.
Taco Heaters, Inc.
Vic Mfg. Co.
Whitlock Mfg. Co.
Young Radiator Co.

COIN METERS
Cissel, W. M., Mfg. Co., Inc.
International Automatic Products
Robco Corp.
Solon Meters, Inc.

COIN OPERATED LAUNDRY WASHERS
See: Washers, Laundry, Coin Operated

COLLAR AND CUFF FASTENERS
See: Fasteners, Collar and Cuff

COLLAR AND SEAM DAMPENERS
See: Dampeners, Collar and seam

COLLAR, CUFF AND NECKBAND REPLACEMENTS
See: Replacements, Collar, Cuff and Neckband

COLLAR FORMS
Ajax Presses
American Laundry Machinery Co.
Bishop David Freeman Co.
Forse Corp.
Goldman Mfg. Co.
New York Pressing Machinery Corp.
Prosperity Co., Div. Ward Industries Corp.
Time Savers, Inc.

COLLAR IRONERS
See: Ironers, Collar

COLLAR PROTECTORS
See: Protectors, Collar

COLLAR SHAPERS
See: Shapers, Collar

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Century Paper Products Co.
Cornell Paperboard Products Co.
Dee Paper Co.
Dixie Hanger Co.
Empire Cardboard Corp.
Garment Hanger Co.
Goldman Mfg. Co.
Great Eastern Paper Converters, Inc.
Gronauer, M. H., Co.
Hodge, Farwell & Co., Inc.
Loroco Industries, Inc.
M & B Metal Products Co.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Marion Mfg. Co., Inc.
Midwest Hanger Co.
Package Masters, Inc.

Brow
COLLAR SUPPORT
PACKAGE MASTERS, INC.
2525 S. Wabash Ave., Chicago 16, Ill.

Para-Lux Products Co.
Patek & Co.
Phoenix Products Co.
Reliable Laundry Supplies
Rosenthal Paper Co.
Spear Box Co., Inc.
Steele, J. W., & Co.
Story Mfg. Co.
Sutherland Paper Co.
Time Savers, Inc.
Westcott Products Corp.
West Side Corp.
Wormstead, Smith & Loomis, Inc.

COLLODION REMOVER
See: Spot Removers, Spotting Agents, Stain Removers

COLLOIDAL CLAY
See: Clay, Colloidal

COLORIMETRIC TESTING SETS
See: Testing Sets, Colorimetric

COLOR-MATCHING LAMPS
See: Lamps, Color-Matching and Daylight

COLUMNS, WATER
Carver, Tom, Inc.
Defender Instrument & Regulator Co.
Leader Iron Works
McDonnell & Miller, Inc.
Schaub, Fred H., Engineering Co.
Stout, David, & Sons
Wright-Austin Co.
Yarnall-Waring Co.

COMBUSTION CONTROLS
See: Controls and Regulators (under specific headings)

COMBUSTION RECORDERS
See: Recorders, Combustion

COMPOUND, BOILER-REPAIR
See: Boiler-Repair Compound

COMPOUNDS, RUG CLEANING AND FINISHING
See: Rug Cleaning and Finishing Compounds

COMPOUNDS, SPECIAL ALKALI
See: Alkali Compounds, Special

COMPOUNDS, WASHING
Acme Soap Co.
Adrian Research & Chemical Co., Inc.
Armour & Co., Industrial Soap Dept.
Beach Soap Co.
Coastal Chemical Co.
Colgate-Palmolive Co.
Concord Chemical Co., Inc.
Cowles Chemical Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Dico Co.
Dixo Co.
Drew, E. F., & Co., Inc.
General Dyestuff Corp.
Hood Chemical Co., Inc.
Hope Chemical Corp.
Huntington Laboratories, Inc.
Kohnstamm, H., & Co., Inc.
Laundry Chemicals Co.
Lewis National Corp.
M & M Chemical Co.
Oakite Products Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

Patek & Co.
Pennsalt Chemicals Corp.
Philadelphia Quartz Co.
Procter & Gamble Distributing Co.
Riverside Chemical Co., Inc.
Rumford Chemical Works
Solvay Process Div., Allied Chemical & Dye Corp.
Speare Co.
Speedlite Chemicals Co.
Stamford Chemical Co.
Standard Soap Co., Div. Concord Chemical Co., Inc.
Stearns, George, Chemical Mfg. Co.
Sterling Supply Corp.
Swift & Co., Industrial Soap Dept.
Talb Industries, Inc.
Thompson Hayward Chemical Co.
Union Carbide Chemicals Co.
Wyandotte Chemicals Corp., J. B. Ford Div.
Wye Industries

COMPRESSED-AIR VALVES

See: Valves, Compressed-Air

COMPRESSORS, AIR

American Air Compressor Co.
American Brake Shoe Co., Kellogg Div.
Binks Mfg. Co.
Brunner Div., Dunham-Bush, Inc.
C. & H. Electric Co
Cooper-Bessemer Corp.
Curtis Mfg. Co.

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- Self Oiling
- Timken Bearings

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Le Roi Div., Westinghouse Brake Co.
Minneapolis-Honeywell Regulator Co.
Quincy Compressor Co.
Schramm, Inc.
Wayne Pump Co.
Worthington Corp

CONCRETE PAINT

See: Paint

CONDENSATE RETURN SYSTEMS, STEAM

See: Return Systems, Steam Condensate

CONDENSATION PUMPS

See: Pumps, Condensation Return

CONDENSERS, ELECTRIC

Ingersoll-Rand Co.

CONDENSERS, STEAM

Bishop David Freeman Co.
Cissell, W. M., Mfg. Co., Inc.
Davis Engineering Corp.
Glover, Bill, Inc.
Ingersoll-Rand Co.
Leader Iron Works
Patterson-Kelly Co., Inc.
Ross Heat Exchanger Div.
Stebbins Mfg. & Supply Co.
Stout, David, & Sons
Taco Heaters, Inc.
Trane Co.
Universal Metal Hose Co.
Whitlock Mfg. Co.
Worthington Corp.

CONDITIONERS, AIR

See: Air Conditioners

CONDITIONERS, WATER, CHEMICAL

See: Water Conditioners, Chemical

CONDITIONERS, WATER, MECHANICAL

See: Water Conditioners, Mechanical

CONDUCTIVITY CONTROL UNITS

Foxboro Co.
Street, R. R., & Co., Inc.

MYCEL
PROCESS
WITH
Street's Electronic Conductivity Control

CONNECTORS, STEAM

American Brass Co., American Metal Hose Div.
Behrstock, L., Co.
Bishop David Freeman Co.
Flexonics Corp.
Johnson Metal Hose, Inc.
New York Pressing Machinery Corp.
Packless Metal Hose, Inc.
Taco Heaters, Inc.
Universal Metal Hose Co.

CONSULTANTS, MANAGEMENT

See: Engineers, Management

CONTROLS AND REGULATORS, COMBUSTION AND DRAFT

Bailey Meter Co.
Barber-Colman Co.
Bressler Engineering Service
Bristol Co.
Canton Stoker Corp.
Chicago Automatic Stoker Co.
Combustion Control Corp.
Conco Engineering Works, Div. H. D. Conkey & Co.
Davis Emergency Equipment Co., Inc.
Defender Instrument & Regulator Co.
Eclipse Fuel Engineering Co.
Engineer Co.
Hays Corp.
Iron Fireman Mfg. Co.
Kol-Master Corp.
Minneapolis-Honeywell Regulator Co.
Perfex Corp.
Photoswitch, Inc.
Republic Flow Meters Co.

CONTROLS AND REGULATORS, FEED-WATER

Appliance Service Co.
Bailey Meter Co.
Campbell, J. A., Co.
Cash, A. W., Valve Mfg. Corp.
Combustion Control Corp.
David Regulator Co.
Defender Instrument & Regulator Co.
Eclipse Fuel Engineering Co.
Fielden Instrument Corp.
Johnson Corp.
Kisco Boiler & Engineering Co.
Klipfel Mfg. Co.
Lattner, P. M., Mfg. Co.
McDonnell & Miller, Inc.
Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co.
Photoswitch, Inc.
Republic Flow Meters Co.
Schaub, Fred H., Engineering Co.
Squires, C. E., Co.
Sterling, Inc.
Watts Regulator Co.
Wright-Austin Co.

CONTROLS AND REGULATORS, FEED-WATER TEST

Elgin Softener Corp.
Kisco Boiler & Engineering Co.
Klipfel Mfg. Co.
National Aluminate Corp.
Taylor, W. A., & Co.

CONTROLS AND REGULATORS, FLOW

Bailey Meter Co.
Barber-Colman Co.
Bristol Co.
Cash, A. W., Valve Mfg. Corp.
Cepi-American, Inc.
Defender Instrument & Regulator Co.
D'Este Div., Kaye & MacDonald, Inc.
Eclipse Fuel Engineering Co.
Elgin Softener Corp.
Foxboro Co.
Hays Corp.
Keckley, O. C., Co.
Klipfel Mfg. Co.
Leslie Co.
McDonnell & Miller, Inc.
Minneapolis-Honeywell Regulator Co.
Republic Flow Meters Co.
Rockwell, W. S., Co.
Sterling, Inc.
Watts Regulator Co.

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Johnson Corp.
McDonnell & Miller, Inc.
Perfex Corp.
Schaub, Fred H., Engineering Co.

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COTTON NETS

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North Coast Chemical & Soap Works
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O. D. Chemical Co., Inc.
Package Chemical Co., Inc.
Patek & Co.
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Philadelphia Quartz Co.
Procter & Gamble Distributing Co.
Reslabs, Inc., Div. Linco Products Corp.
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Rumford Chemical Works
Sandoz Chemical Works, Inc.
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Stadham Co., Inc.
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Pabst Brewing Co., Industrial Products Div.
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Stadham Co., Inc.
Stamford Chemical Co.

(Continued on next page)

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See: Soaps, Drycleaning

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See: Solvent, Chlorinated (Synthetic)

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

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See: Aprons, Canvas or Duck

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See: Press Covers or Cloth, Cover

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Lewis-Shepard Products, Inc.

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Central Dyeing Co.
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Western Laundry Machinery Co.
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Pellerin Milnor Corp.
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California Laundry Equipment Co.
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Cummings-Landau Laundry Machinery Co., Inc.
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Asselin, Victor, Fur Co.
Bauer, Samuel, & Sons, Inc.
Custom Fur Service, Inc.
Fur Feel Corp.
Haertel, Walter, Co.
Le Ann Furs, Inc.
Mackler, B., & Sons
Reliable Machine Works, Inc.
Zimmerman Products

FUR STORAGE EQUIPMENT AND SUPPLIES
See: Storage Vault Equipment or Storage Supplies

FUR VAULT COOLING UNITS
See: Refrigeration, Mechanical

GARMENT BAGGERS
See: Baggers, Garment

GARMENT BAGS
See: Bags, Drycleaners'

GARMENT CARRIERS
See: Carts, Garment

GARMENT DRIERS
See: Driers, Garment, Hot-Air

GARMENT DYEING
See: Dyeing, Garment

GARMENT DYES
See: Dyes

GARMENT FINISHERS, STEAM-AIR
See: Steam-Air Finishers, Garment

GARMENT HANGERS
See: Hangers, Garment

GARMENT PRESSES
See: Presses (under specific headings)

GARMENT RACKS
See: Racks, Garment

GARMENT SHAPER-DRIER
See: Shaper-Drier, Garment

GARMENT STEAMERS
See: Steam-Air Finishers, Garment

GAS BURNERS
See: Burners, Gas

GAS-ELECTRIC TRUCKS
See: Trucks, Industrial

GAS ENGINES
See: Engines, Gas

GAS-OIL BURNERS
See: Burners, Gas-Oil

GASOLINE MOTOR TRUCKS
See: Trucks, Motor

GATE VALVES
See: Valves, Gate

GAUGES
See: Controls and Regulators

GAUGE TESTERS
See: Testers, Gauge

GENERAL FORMULA
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GENERATORS, BLEACH
See: Bleach-Making Machines

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Allis, Louis Co.
Caterpillar Tractor Co.
Century Electric Co.
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works
Electric Steam Boiler Sales, Div. Wolf Co.
Elliott Co.
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GENERATORS, FOG
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GENERATORS, STEAM
See: Boilers and Steam Generators

GERMICIDES
See: Antiseptics, Bleaches, Sours

GLASS CLOTH, WOVEN
See: Cloth, Glass, Woven

GLAZERS, FUR
See: Fur Glazers

GLAZING FLUID, FUR
See: Fur Glazing Fluid

GLOBE VALVES
See: Valves, Globe

GLOVE CASES
See: Cases, Glove

GLOVE CLEANING MACHINES
Sabin Machine Co.
Vic Mfg. Co.

GLOVE FORMS
Chandler Machine Co.
Henrici Laundry Machinery Co.

GLOVE SOAPS
See: Soaps, Glove

GO-BACK CONVEYORS
See: Conveyors, Go-Back

GOVERNORS, AUTOMOBILE
Hoof Products Co.

GOVERNORS, ENGINE
Hoof Products Co.
Strong, Carlisle & Hammond Div.

GOVERNORS, POWER PRESSING MACHINES
Pantex Mfg. Corp.

GRAVITY ROLLER CONVEYORS
See: Conveyors (under specific headings)

GREASES, LUBRICATING
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See: Hat Guards

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See: Trouser Guards

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Bernard-Franklin Co., Inc.
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White Machine Co., Inc.

GUMMED TAPE
See: Tape, Gummed

GUM TAPE HANDLES FOR SHIRT PACKAGING
See: Handles, Gumtape for Shirt Packaging

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For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

GUNS, SPRAY

See: Spray Guns

HAMPERS

See: Baskets, Canvas, and Hampers, Shipping

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SILA-HAND
A Protective Hand Cream
Wareo
LABORATORIES

HAND HOISTS

See: Hoists

HANDKERCHIEF CONVEYORS

See: Converters, Handkerchief

HANDKERCHIEF FLUFFERS

See: Fluffers, Handkerchief

HANDKERCHIEF IRONERS

See: Ironers, Handkerchief

HANDKERCHIEF REPLACEMENTS

See: Replacements, Sheets, Pillowcases, etc.

HANDLES, GUMTAPE FOR SHIRT PACKAGING

Carry Pack Co., Ltd.
Minnesota Mining & Mfg. Co.
Technical Tape Corp.

HAND TRUCKS

See: Trucks, Industrial

HANGER BLOCKS

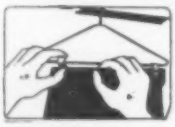
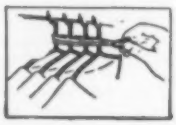
See: Blocks, Hanger and Pillow

HANGER CAPES

See: Capes, Wire-Hanger

HANGER CLIPS

Academy Hanger Co., Inc.
Garment Hanger Co.
Gibraltar Products Co.

SKIRT HANGER CLIP

GIBRALTAR TRI-PRONG CLIP $1.90/M
GIBRALTAR KWIK-KLIP $1.95/M
GIBRALTAR KWIK-TWISTS $1.50/M (7") $1.00/M (4")

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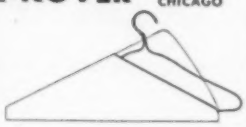

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Stout, David, & Sons
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Whitlock Mfg. Co.
Wiegand, Edwin L., Co.
Worthington Corp

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See: Solvent Heaters

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Worthington Corp
Young Radiator Co.

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Vapor Heating Corp.
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See: Reels, Hose

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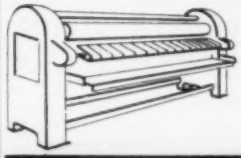

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MILL WHITE PAINT
See: Paint

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MODIFIED SODA
See: Soda, Modified

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See: Metal, Monel

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Sterling Electric Motors, Inc.

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NECKBAND REPLACEMENTS
See: Replacements, Collar, Cuff and Neckband

NECKTIE CASES
See: Cases, Necktie

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

NECKTIE HANGERS
See: Hangers, Necktie

NECKTIE PRESSES
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Henrici Laundry Machinery Co.

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See: Holders, Bag and Net

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NYLON PRESS CLOTH
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OIL SOAPS
See: Soaps, Oil

OILS, SULPHONATED
See: Sulphonated Oils

OIL, TURKEY RED
See: Turkey Red Oil

OPTICAL BLEACH
See: Bleach

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See: Sodium Orthosilicate

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See: Bundle Tyers

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(Continued on next page)

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PADS, PRESS AND IRONER

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See: Indicators, pH

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See: Test Kits, Phosphate

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See: Trisodium Phosphate

PHOTOELECTRIC CONTROLS
See: Controls and Regulators, Photoelectric

pH TEST KITS
See: Test Kits, pH Control

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See: Drop Boxes

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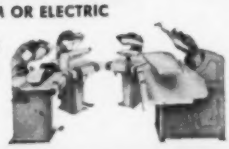
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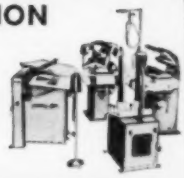
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a how-to-do-it textbook on silk finishing and the training of silk finishers to do top quality work on all garments, using all types of equipment.
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See: Beaters, Carpet and Rug

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(Continued on next page)

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SEWING MACHINES, BLIND-STITCH
Chandler Machine Co.
Columbia Sewing Machine Corp.
Lewis Invisible Stitch Machine Co.
Mackler, B., & Sons
Singer Sewing Machine Co., Industrial Sales Dept.
U. S. Blind Stitch Machine Corp.
Willcox & Gibbs Sewing Machine Co.

SEWING MACHINES, BUTTON
Chandler Machine Co.
Singer Sewing Machine Co., Industrial Sales Dept.

SEWING MACHINES, FUR
Bonis Bros. Fur Machinery Corp.
Chandler Machine Co.
Haertel, Walter. Co.
Mackler, B., & Sons
Reliable Machine Works, Inc.
Singer Sewing Machine Co., Industrial Sales Dept.

SEWING MACHINES, MARKING-TAG
Chandler Machine Co.
Singer Sewing Machine Co., Industrial Sales Dept.

SHAKE-OUT TUMBLERS
See: Tumblers, Shake-out

SHAKERS, FLATWORK
See: Flatwork Shakers

SHAPER-DRIERS, GARMENT
Chandler Machine Co.

SHAPERS, COLLAR
American Laundry Machinery Co.
Bishop David Freeman Co.
Key-Tag Checking System Co.
New York Pressing Machinery Corp.
Reed Mfg. Co.
Time Savers, Inc.

SHAPERS, SLEEVE
See: Sleeve Forms

SHEAVES, BELTING
Eagle Belting & Leather Co.
Gates Rubber Co.
Wood, T. B., Sons Co.
Worthington Corp.

SHEET REPLACEMENTS
See: Replacements, Sheets, Pillowcases, etc.

SHEETS, CELLOPHANE
See: Cellophane Products

SHELVING, METAL
Berger Mfg. Div., Republic Steel Corp.
Bernard-Franklin Co., Inc.
Haertel, Walter, Co.
Republic Steel Corp.
Vara, A. G., & Son, Inc.

SHIELDS, HANGER
See: Hanger Shields and Guards

SHINE REMOVAL
Bestway Shine Removal Co., Inc.

BOLD TYPE LISTINGS

*Indicates display advertisers. For more information about their products, **see the index of advertisers** for page numbers.*

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

SHIPPING CASES

See: Cases, Shipping

SHIRT BAGS

Bond Street Bag & Paper Corp.
Cade Paper & Bag Corp.
Carey, Philip, Mfg. Co.
Century Paper Products Co.
Clear-View Packaging Co.
Colonial Envelope Co., Inc.
Comet Envelope & Paper Co., Inc.
Continental Can Co.
Duro Envelope Co.
Everett Sales & Equipment Corp.
Flintkote Co.
Gaylord Container Div. Crown Zellerbach Corp.
Kennedy Car Liner & Bag Co., Inc.
Keystone Paper Box Co.

SHIRT BAGS . . *Self Opening*
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So. Main & Maple Sts.
Warehouse Point, Conn.
A dependable source of supply

Kordite Co., Div. Textron, Inc.
Kwik-Kover Sales Co.
Lee Converters, Inc.
M & B Metal Prdouct Co.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Marion Mfg. Co.
Melrose Packaging

Combination Bags
Plastic & Paper
or
All Clear plastic
Melrose Packaging
61-48 Fresh Meadow Lane — Flushing, N. Y.
Lenox 9-1550

Package Masters, Inc.
Pak-Rite Flexible Packaging Co.
Para-Lux Products Co.
Patek & Co.
Phoenix Products Co.
Pittsburgh Waterproof Co.
Reliable Laundry Supplies
Rosenthal Paper Co.
Spear Box Co., Inc.
Steelcote Mfg. Co.
Technical Tape Corp.
Tele-Vue Packaging Products, Inc.
Time Savers, Inc.
West Side Corp.

SHIRT BAGS, DRESS-SHIRT

See: Bags, Dress-Shirt

SHIRT BANDS

See: Bands, Paper

SHIRT BASKETS

See: Baskets, Shirt

SHIRT BOARDS

Andrew Paper Box & Bag Corp.
Bond Street Bag & Paper Corp.
Brooks, Alfred J.
Century Paper Products Co.
Cornell Paperboard Products Co.
Dixie Hanger Co.
Empire Cardboard Corp.

SHIRT BOARDS
Die Cut & Standard
EMPIRE CARDBOARD CORP.
So. Main & Maple Sts.
Warehouse Point, Conn.
A dependable source of supply

Gronauer, M. H., Co.
M & B Metal Products Co.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Market Industries Co., Inc.
Midwest Hanger Co.
Package Masters, Inc.

SHIRT PAX
PACKAGE MASTERS, INC.
2525 S. Wabash Ave., Chicago 16, Ill.

SPORTFOLIO
PATENT NO 2487761
PACKAGE MASTERS, INC.
2525 S. Wabash Ave., Chicago 16, Ill.

Para-Lux Products Co.
Patek & Co.
Phoenix Products Co.
Reliable Laundry Supplies
Scientific Packages, Inc.
Spear Box Co., Inc
Sutherland Paper Co.
West Side Corp.
Wormstead, Smith & Loomis, Inc.

SHIRT BOXES

See: Boxes, Fiber and Paper

SHIRT CARRIAGES

Forse Corp.
Keyes-Davis Co.
New York Pressing Machinery Corp.
Time Savers, Inc.
White Machine Co., Inc.

SHIRT CONVEYORS

See: Conveyors, Shirt

SHIRT EMBLEMS

See: Emblems

SHIRT ENVELOPES, CARDBOARD

See: Shirt Bags

SHIRT ENVELOPES, CELLOPHANE

See: Shirt Bags

SHIRT ENVELOPES, GLASSINE

See: Shirt Bags

SHIRT ENVELOPES, PAPER

See: Shirt Bags

SHIRT FINISHING AND FOLDING MACHINES

Ajax Presses
American Laundry Machinery Co.
Bishop David Freeman Co.
Detrex Chemical Industries, Inc.
Forse Corp.
Key-Tag Checking Co.
New York Pressing Machinery Corp.
Pantex Mfg. Corp.
Pinnacle Products Corp.
Prosperity Co., Div., Ward Industries Corp.
Super Laundry Machinery Co.
Small Equipment Co., Div., American Laundry Machinery Co.
Time Savers, Inc.
Unipress Co., Inc.

UNIPRESS
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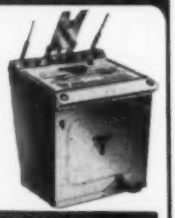
FOLDS AND BANDS AUTOMATICALLY

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FM
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Lynch, John P., Co.
Prosperity Co., Div. Ward Industries Corp.
Small Equipment Co., Div., American Laundry Machinery Co.
Steele, J. W., & Co.
Time Savers, Inc.
Unipress Co., Inc.

SHIRT FOLDING CLIPS

Small Equipment Co., Div., American Laundry Machinery Co.
Steele, J. W., & Co.
Time Savers, Inc.

SHIRT HANGERS, REVOLVING

See: Hangers, Revolving Shirt

SHIRT MANUFACTURERS

American Shirt Co.
Cluett-Peabody Co.
Setlow, M., & Son, Inc.

SHIRT PACKAGING

See: Packaging, Laundry

SHIRT PRESSES

See: Presses, Shirt

SHIRT PROTECTORS

See: Protectors, Shirt

SHIRT RENTALS

Shirt Valet Rental Plan, Inc.

SHIRT REPLACEMENTS

See: Replacements, Sheets, Pillowcases, Shirts

SHIRT, SPORT, FINISHING UNITS

Ajax Presses
American Laundry Machinery Co.
Bishop David Freeman Co.
Excelsior Machinery Corp.
Forse Corp.
New York Pressing Machinery Corp.
Pantex Mfg. Corp.
Pinnacle Products Corp.
Prosperity Co., Div., Ward Industries Corp.
Small Equipment Co., Div., American Laundry Machinery Co.
Time Savers, Inc.
Unipress Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

SHIRT STARCHING-EXTRACTING MACHINES

See: Starching and Extracting Machines

SHIRT UNITS

Ajax Presses
American Laundry Machinery Co.
Bishop David Freeman Co.
Detrex Chemical Industries, Inc.
Forse Corp.
New York Pressing Machinery Corp.
Pantex Mfg. Corp.
Pinnacle Products Corp.
Prosperity Co., Div., Ward Industries Corp.
Small Equipment Co., Div., American Laundry Machinery Co.
Super Laundry Machinery Co.
Unipress Co., Inc.

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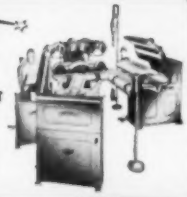
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HOW TO TRAIN FINISHING AND FOLDING OPERATORS IN THE LAUNDRY
a step-by-step textbook on finishing and the training of finishing and folding operators in the laundry—the techniques and equipment used for top quality results.
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SHIRT WRAPPERS

See: Wrappers, Shirt

SHOULDER SHIELDS

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Great Eastern Paper Converters, Inc.
Hodge, Farwell & Co.
Para-Lux Products Co.
Technical Tape Corp.

SIGNAL ALARMS

See: Alarms, Signal

SIGNALS, TIME

See: Time Signals

SIGNS, NEON

House of Plastics, Div. Neon Sign Co., Inc.
Wagner Sign Service

SIGNS, PLASTIC

Carousel Sign Co.
House of Plastics, Div. Neon Sign Co., Inc.
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SILICATES

See: Sodium Silicate

SILK BLEACH

See: Bleach

SILK PRESSES

See: Presses, Silk

SILK SOAPS

See: Soaps, Silks and Woolens

SIZING EQUIPMENT, RUG AND CARPET

See: Rug and Carpet Cleaning Equipment

SIZING, HAT, FELT AND PANAMA

See: Hatters' Supplies

SIZING MACHINES, RUGS AND CARPET

See: Rug and Carpet Cleaning Equipment

SIZING AND FINISHING COMPOUNDS

Adco, Inc.
Adrian Research & Chemical Co., Inc.
Apex Chemical Co., Inc.
Aqua-Sec
Benda Products, Inc.
Caled Products Co., Inc.
Coastal Chemical Corp.
Cravenette Co., U. S. A.
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Dixo Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Eaton Chemical & Dyestuff Co.
Edelmuth Mfg. Chemists
Emery Industries, Inc., Sanitone Div.
Gibraltar Fabrics, Inc.
Greenville Chemical Co.
H & A Sizing Co.
Harris Bros. Mfg. Co., Inc.
Hercules Powder Co., Inc.
Hope Chemical Corp.
Huntington Laboratories, Inc.
Keever Starch Co.
Lincoln Research, Inc.
Lustrol Drycleaning Products Co.
National Cleaners Chemical Mfg. Co.
National Starch Products, Inc.
Nu-Pro Mfg. Co.
Paisley Products, Inc.
Patek & Co.
Pennsalt Chemicals Corp.
Riverside Mfg. Co.
Signal Chemicals Mfg. Co., Inc.
Slater-Robbins Co., Inc.
Spix Products Co.
Stamford Chemical Co.
Stanley, John T., Co., Inc.
Sta-Nu Corp.
Street, R. R., & Co., Inc.

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Union Carbide Chemicals Co.
Wallerstein Co., Inc.
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Warco LABORATORIES

Wyandotte Chemicals Corp., J. B. Ford Div.
Zel-Tex Co., Inc.

BOLD TYPE LISTINGS

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For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

SIZINGS, RUG

Caled Products Co., Inc.
Callaway Mills, Inc.
Gliss'n Products Co., Inc.
Gravenette Co., U. S. A.
Hope Chemical Corp.
J-G Chemists
Keever Starch Co.
National Starch Products, Inc.
Paisley Products, Inc.
Patek & Co.

SIZING TANKS

See: Tanks Metal or Water Repellent Dip Tanks

SKIDS AND SKID JACKS

Kentucky Box & Truck Co.
Lewis-Shepard Products, Inc.
Magline, Inc.

SKIRT HANGER CLIPS

See: Hanger Clips

SLEEVE BOARDS

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Cissell, W. M., Mfg. Co., Inc.
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
West Side Corp.

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American Laundry Machinery Co.
Cissell, W. M., Mfg. Co., Inc.
Detrex Chemical Industries, Inc.
Forse Corp.
Leef Bros., Inc.
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Pantex Mfg. Corp.
Pinnacle Products Corp.
Small Equipment Co., Div., American Laundry Machinery Co.
Unipress Co., Inc.
United Brass Works, Inc.
Wichita Precision Tool Co., Inc.

SLEEVE FORMS

Ajax Presses
Amber Mfg. Co.
American Felt Co.
American Laundry Machinery Co.
Cissell, W. M., Mfg. Co., Inc.
Glover, Bill, Inc.
Ink-O Products Co.
Leef Bros., Inc.
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Prosperity Co., Div., Ward Industries Corp.
Small Equipment Co., Div., American Laundry Machinery Co.
West Side Corp.

SLEEVE IRONERS

See: Ironers, Sleeve

SLICKRACK CONVEYORS

See: Conveyors, Speed Rail

SLIDE FASTENERS

See: Fasteners, Slide

SMOKE ELIMINATORS

Emery Industries, Inc., Sanitone Div.
Phibrico Co.

SNAP FASTENER TOOL KITS

See: Fasteners, Slide

SOAP AND STARCH WHIPS

Manitowoc Cotton Goods Mfg. Co.

SOAP BUILDERS

See: Builders, Soap

SOAP DISPENSERS

See: Dispensers, Soap

SOAP DISPENSERS, DRY-CLEANING

See: Dispensers, Soap, Drycleaning

SOAPLESS SOAP

See: Synthetic Detergents

SOAP REGENERATORS

Acme Soap Co.
Beach Soap Co.
Calgon Div., Hagan Chemicals & Controls, Inc.
Chloral Chemical Corp.
Cowles Chemical Co.
Diamond Alkali Co.
Hope Chemical Corp.
Kenco Chemical Co., Inc.
Rumford Chemical Works
Speedlite Chemicals Co.
Standard Soap Co., Div. Concord Chemical Co.
Stearns, George, Chemical & Mfg. Co.
Sterling Supply Corp.
Talb Industries, Inc.
Union Carbide Chemicals Co.
Van Chemical Co.

SOAPS, DRYCLEANING

(See also: Detergents, Drycleaning, Charged Type, and Detergents, Special Drycleaning)

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Adrian Research & Chemical Co., Inc.
Allen & Vickers, Inc.
Armour & Co., Industrial Soap Div.
Beach Soap Co.
Benda Products, Inc.
Borne, Serymser Co.
Caled Products Co., Inc.
Cidex Corp.
Coastal Chemical Corp.
Colgate-Palmolive Co.
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Krevit, H., & Co., Inc.
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Lever Bros. Co.
Marclene Chemical Corp.
National Cleaners Chemical Mfg. Co.
North Coast Chemical & Soap Works
Nu-Pro Mfg. Co.
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Package Chemical Co., Inc.

MOCO Products
For The Drycleaner
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Pennsalt Chemicals Corp.
Riverside Mfg. Co.
Slater-Robbins Co., Inc.
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Stamford Chemical Co.
Standard Soap Co., Div., Concord Chemical Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Street, R. R., & Co., Inc.

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Trico Chemical Div., Tri-State Equipment Co.
Trio Chemical Works, Inc.
Universal Solvent Co.
Windsor Chemical Co.
Wolke, A. F., Co.
Wye Industries
Zel-Tex Co., Inc.

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SOAPS, DRYCLEANING, CHARGE TYPE

See: Detergents, Drycleaning, Charge Type

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Armour & Co., Industrial Soap Div.
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Coastal Chemical Corp.
Concord Chemical Co., Inc.
Davies-Young Soap Co.
Dyo Chemical Co.
Eaton Chemical & Dyestuff Co.
Huntington Laboratories, Inc.
Keystone Aniline & Chemical Co.
Nu-Pro Mfg. Co.
Patek & Co.
Riverside Mfg. Co.
Slater-Robbins Co., Inc.
Spix Products Co.
Standard Soap Co., Div., Concord Chemical Co., Inc.
Stearns, George, Chemical Mfg. Co.
Swift & Co., Industrial Soap Dept.
Wolke, A. F., Co.

SOAPS, LAUNDRY

Armour & Co., Industrial Soap Div.
Beach Soap Co.
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Carlton Chemical Products Corp.
Chloral Chemical Corp.
Coastal Chemical Corp.
Colgate-Palmolive Co.
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CONCORD CHEMICAL CO., INC.
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WOodlawn 6-1526

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

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Culligan, Inc.
Davies-Young Soap Co.
Davis-Weil Mfg. Co.
Diamond Chemical Co., Inc.
Drew, E. F., & Co., Inc.
Dyo Chemical Co.
Fry Bros. Co.
Iowa Soap Co.
Keneo Chemical Co., Inc.
Kliegman Bros., Inc.
Kohnstamm, H., & Co., Inc.
Laundry Chemicals Co.
Lever Bros. Co.
Lewis National Corp.
Los Angeles Soap Co.
Minnesota Chemical Co.
New South Mfg. Co., Inc.
North Coast Chemical & Soap Works
Pacific Coast Borax Co.
Procter & Gamble Distributing Co.
Rome Soap Mfg. Co.
Speedlite Chemicals Co.
Stadham Co., Inc.
Stamford Chemical Co.
Standard Soap Co., Div., Concord Chemical Co., Inc.
Stanley, John T., Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Sterling Supply Corp.
Swift & Co., Industrial Soap Dept.
Talb Industries, Inc.
Thompson-Hayward Chemical Co.
Tower Chemicals, Inc.
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Van Chemical Co.
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Concord Chemical Co., Inc.
Davies-Young Soap Co.
Dyo Chemical Co.
Eaton Chemical & Dyestuff Co.
Hope Chemical Corp.
Huntington Laboratories, Inc.
Keystone Aniline & Chemical Co.
Kirk's Leather Cleaners
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
Patek & Co.
Riverside Mfg. Co.
Spix Products Co.
Standard Soap Co., Div., Concord Chemical Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Swift & Co., Industrial Soap Dept.
Wolke, A. F., Co.

SOAPS, OIL

Armour & Co., Industrial Soap Dept.
Coastal Chemical Corp.
Concord Chemical Co., Inc.
Davies-Young Soap Co.
Hope Chemical Corp.
Keystone Chemical Co.
Laundry Chemicals Co.
Lestoil Inc., Subs., Adell Chemical Co.
Los Angeles Soap Co.
M & M Chemical Co.
New South Mfg. Co., Inc.
North Coast Chemical & Soap Works
Patek & Co.
Speedlite Chemicals Co.
Standard Soap Co., Div., Concord Chemical Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Swift & Co., Industrial Soap Dept.
Universal Solvent Co.
Wrisley, Allen B., Co.
Wye Industries

SOAPS, RUG AND CARPET

Adco, Inc.
Adrian Research & Chemical Co., Inc.
American Alcolac Corp.
Armour & Co., Industrial Soap Dept.
Beach Soap Co.
Bigelow-Sanford Carpet Co.
Blenco Co.
Caled Products Co., Inc.
Certified Chemical & Equipment Co.
Chloral Chemical Corp.
Coastal Chemical Corp.
Colgate-Palmolive Co., Inc.
Concord Chemical Co., Inc.
Cravenette Co., U. S. A.
Davies-Young Soap Co.
Drew, E. F., & Co., Inc.
Edelmuth Mfg. Chemists
Endriss Chemicals
Fumol Corp.
Hild Floor Machine Co., Inc.
Hope Chemical Co.
Huntington Laboratories, Inc.
Keneo Chemical Co., Inc.
Keystone Aniline & Chemical Co.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
Lincoln Research, Inc.
Los Angeles Soap Co.
Lustrol Drycleaning Products Co.
Marvella Corp.
Merson Products Co.
Multi-Clean Products, Inc.
North Coast Chemical & Soap Works
Nu-Pro Mfg. Co.
Patek & Co.
Procter & Gamble Distributing Co.
Riverside Mfg. Co.
Signal Chemical Mfg. Co., Inc.
Slater-Robbins Co., Inc.
Stadham Co., Inc.
Standard Soap Co., Div., Concord Chemical Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Swift & Co., Industrial Soap Dept.
Thompson-Hayward Chemical Co.
Tower Chemicals, Inc.
Trio Chemical Works, Inc.
Universal Solvent Co.
Warco Laboratories, Inc.
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Benda Products, Inc.
Caled Products Co., Inc.
Coastal Chemical Corp.
Chloral Chemical Corp.
Colgate-Palmolive Co.
Concord Chemical Co., Inc.
Cowles Chemical Co.
Davies-Young Soap Co.
Davis-Weil Mfg. Co.
Drew, E. F., & Co., Inc.
Eaton Chemical & Dyestuff Co.
Edelmuth Mfg. Co.
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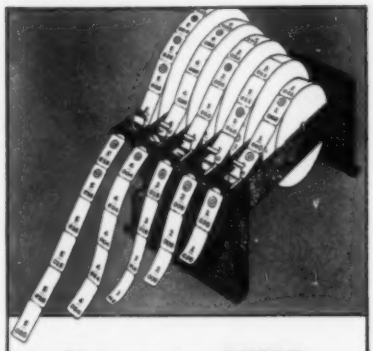
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Sterling, Inc.
Unit Wash Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

Vic Mfg. Co.
Western Laundry Machinery Co.
Williams & Davis Boiler & Welding Co., Inc.

TANKS, SOAP

Alert Boiler & Mfg. Co.
American Laundry Machinery Co.
Bishop David Freeman Co.
Caldwell, W. E., Co.
Eastern Cyclone Conveyors System, Inc.
General Metals, Inc.
Graver Tank & Mfg. Co.
Hall, Amos H., & Sons
Leader Iron Works
Williams & Davis Boiler & Welding Co., Inc.

TANKS, WATER-REPELLENT

See: Water-Repellent Dip Tanks

TANKS, WOOD

Arrow Tank Co., Inc.
Caldwell, W. E., Co.
Hall, Amos H., & Sons
Hauser-Stander Tank Co.

TANNIN STAIN REMOVERS

See: Stain Removers

TAPE, BINDING

Fleischer Mills, Inc.
Hope Webbing Co.
J-G Chemists

TAPE, GUMMED

Carry-Pack Co., Ltd.
Gronauer, M. H., Co.
Gummed Tape & Devices Co.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Minnesota Mining & Mfg. Co.
Nashua Corp.
Reliable Laundry Supplies
Rosenthal Paper Co.
Spear Box Co., Inc.
West Side Corp.
Wormstead, Smith & Loomis, Inc.

TAPE, IRONER

American Associated Cos.
Callaway Mills, Inc.
Carson Textile Co.
Egan Cotton Mills
Gibraltar Fabrics, Inc.
Hope Webbing Co.
Lally, R., Co.
Patek & Co.
Pittsburgh Waterproof Co.
Revolite Div., Raybestos-Manhattan, Inc.
Southern Mills, Inc.
Stadham Co., Inc.
Sterling Supply Corp.
Tingue, Brown & Co.
Toptex Corp.
Whitehouse Nylon Products
Wick Narrow Fabric Co.
Zellermayer, Nathan, & Co.
Zuckerberg Co.

TAPE, MARKING

Braun, Philip N., Inc.
Cash, J. & J., Inc.
Con-Secu Tag, Inc.
Fleischer Mills Inc.
Hope Webbing Co.
Lally, R., Co.
Liberty Marking Tag Co., Inc.
Minnesota Mining & Mfg. Co.
National Marking Machine Co.
Nicholson, Wm. J., Laboratories
Pinnacle Products Co.
Pittsburgh Tag Co.
Pre-Marked Strip Tag Co.
Textile Marking Machine Co., Inc.
Wick Narrow Fabric Co.

TAPE, MENDING, AND TAPE, HEAT SEALING

See: Mending, Patching Material

TAPE, PRESSURE-SENSITIVE

Minnesota Mining & Mfg. Co.
Technical Tape Corp.

TAPE, PRINTED

Better Packages, Inc.
Carry-Pack Co., Ltd.
Cash, J. & J., Inc.
Gummed Tape & Devices Co.
Hope Webbing Co.
Milwaukee Printed String Co.
Minnesota Mining & Mfg. Co.
Moore Business Forms, Inc.
Nashua Corp.
Phoenix Products Co.
Pinnacle Products Corp.
Pre-Marked Strip Tag Co.
Roll-on-Sealer Co.
Rosenthal Paper Co.
Spear Box Co., Inc.
Wormstead, Smith & Loomis, Inc.

TAPE-SEALING MACHINES

Better Packages, Inc.
Gummed Tape & Devices Co.
Ideal Stencil Machine Co.
Minnesota Mining & Mfg. Co.
Nashua Corp.
National Marking Machine Co.
Pinnacle Products Corp.
Reliable Laundry Supplies
Rosenthal Paper Co.
Spear Box Co., Inc.
Technical Tape Corp.
Time Savers, Inc.

TEMPERATURE CONTROLS

See: Controls and Regulators, Temperature

TEMPERATURE GAUGES

See: Controls and Regulators, Temperature

TEMPERATURE RECORDERS

See: Controls and Regulators, Temperature

TEMPERATURE REGULATORS

See: Controls and Regulators (under specific headings)

TEMPERATURE-TIME REGULATORS

See: Controls and Regulators (under specific headings)

TEST CONTROLS, FEED-WATER

See: Controls and Regulators (under specific headings)

TEST EQUIPMENT, BOILER WATER CONDITIONING

See: Boiler Water Treatment

TEST EQUIPMENT, WATER TREATMENT CONTROL

American Water Softener Co.
Calgon Div., Hagan Chemicals & Controls, Inc.
Diamond Alkali Co.
Elgin Softener Corp.
Graver Tank & Mfg. Co.
Strong, Carlisle & Hammond Div.
Taylor, W. A., & Co.

TESTERS, WATER

American Water Softener Co.
Cowles Chemical Co.
Elgin Softener Corp.
Graver Tank & Mfg. Co.
Swift & Co., Industrial Soap Dept.

TESTING SETS, COLORIMETRIC

Taylor, W. A., & Co.

TESTING SYSTEMS, BOILER FEED

Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hagan Corp.
National Chemical Sales Co., Laboratory, Inc.

TESTING SYSTEMS, FEED-WATER

Elgin Softener Corp.
Graver Tank & Mfg. Co.

TEST KITS, CHLORINE

American Water Softener Co.
Cowles Chemical Co.
Diamond Alkali Co.
Elgin Softener Corp.
Solvay Process Div., Allied Chemical & Dye Corp.
Swift & Co., Industrial Soap Dept.
Taylor, W. A., & Co.

TEST KITS, DRYCLEANERS'

See: Fatty-Acid Test Kit, Strong-Soap Test Kit

TEST KITS, pH CONTROL

Calgon Div., Hagan Chemicals & Controls, Inc.
Diamond Alkali Co.
Elgin Softener Corp.
Lewis National Corp.
National Chemical Sales Co., Inc.
Speedlite Chemicals Co.
Strong, Carlisle & Hammond Div.
Swift & Co., Industrial Soap Dept.
Taylor, W. A., & Co.

TEST KITS, PHOSPHATE

Elgin Softener Corp.
Taylor, W. A., & Co.

TETRASODIUM PYROPHOSPHATE

DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
North Coast Chemical & Soap Works
Riverside Chemical Co.
Rumford Chemical Works
Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.

THERMOMETERS

Bailey Meter Co.
Barber-Colmen Co.
Bristol Co.
Defender Instrument & Regulator Co.
Electric Auto-Lite Co., Instrument & Gauge Div.
Foxboro Co.
General Scientific Equipment Co.
Marsh, Jas. P., Corp.
Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co.
Powers Regulator Co.
Sarco Co., Inc.
U. S. Gauge Div., American Machine & Metals Inc.
Weston Electrical Instrument Corp.

THERMOSTATIC TRAPS

See: Traps, Thermostatic

THERMOSTATIC VALVES

See: Valves, Thermostatic

THREAD

American Associated Cos.
Callaway Mills, Inc.
Chandler Machine Co.
Fleischer Mills, Inc.
Heminway & Bartlett Mfg. Co.
Lieberman, B. & G., Co., Inc.
Myer, Henry, Thread Mfg. Co.
Piolet Button & Novelty Corp.
Whitehouse Nylon Products
Zuckerberg Co.

THREAD RACKS

Keyes-Davis Co.

TICKINGS

Burcott Mills
Freund, Freund & Co.
Lally, R., Co.
Manitowoc Cotton Goods Mfg. Co.
Zuckerberg Co.

TIE FORMS

Chandler Machine Co.
Great Eastern Paper Converters, Inc.
Henrici Laundry Machinery Co.
Ink-O Products Co.
Newhouse Specialty Co., Inc.
West Side Corp.
Winner, Joe L.

TIE HOLDERS

Hodge, Farwell & Co.
Laidlaw, W. A., Wire Co.
Para-Lux Products Co.

TIME CLOCKS

See: Controls and Regulators, Time

TIME CONTROLS

See: Controls and Regulators, Time

TIME INDICATORS

See: Indicators, Time

TIME METERS

See: Meters, Time

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

TIME RECORDERS

See: Controls and Regulators, Time

TIMERS, ELECTRIC

Cissell, W. M., Mfg. Co., Inc.
Chicago Dryer Co.
Cutler-Hammer, Inc.
General Control Co.
General Electric Co.
Miller Laundry Machinery Co.
Norman Control Co.
Pellerin Milnor Corp.
Photoswitch, Inc.
Rosenthal Mfg. Co.
Thompson, H. C., Clock Co.
Tork Clock Co., Inc.
Walser Automatic Timer Corp.
Zenith Electric Co.

TIMERS, WASHER

See: Washer Timers and Controls

TIME SIGNALS

Cissell, W. M., Mfg. Co., Inc.
General Control Co.
Norman Control Co.
Pellerin Milnor Corp.
Rosenthal Mfg. Co.
Zenith Electric Co.

TIME SWITCHES

See: Switches, Time

TINTS AND DYES, LAUNDRY

American Aniline Products, Inc.
Calusa Chemical Co.
Heller, B., & Co.
Keystone Aniline & Chemical Co.
Patek & Co.

TOWEL CABINETS

Carey, Philip, Mfg. Co.
Darman Mfg. Co., Inc.
Huntington Laboratories, Inc.
Steiner Sales Co.

TOWEL CABINETS, CONTINUOUS

Ambassador Continuous Towel Cabinet Co.
Darman Mfg. Co., Inc.
Steiner Sales Co.

TOWEL COUNTERS

See: Counters, Automatic

TOWEL REPLACEMENTS

See: Replacements, Sheets, Pillowcases, etc.

TOWELS

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Burcott Mills
Callaway Mills, Inc.
Cone Mills, Inc.
Huntington Laboratories, Inc.
International Paper Co., Southern Kraft Div.
Iselin-Jefferson Co., Inc.
Steiner Sales Co.
Wood, George, Sons & Co.
Zuckerberg Co.

TRANSMISSION, CHAIN

Link-Belt Co.

TRANSMISSIONS, VARIABLE SPEED

American Blower Corp., Div. American-Standard
Link-Belt Co.
Stephens & Adamson Mfg. Co.

TRAPS, AIR

See: Air Traps

TRAPS, BOILER FEED

Johnson Corp.
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Lakewood Manufacturing Co.
Morehead Mfg. Co.
Nicholson, W. H., & Co.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp.
Trane Co.
Webster, Warren, & Co.
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TRAPS, DRAIN

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Lakewood Manufacturing Co.
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Sarco Co., Inc.
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TRAPS, FLOAT

Anderson, V. D., Co., Div. International Basic Economy Corp.
Armstrong Machine Works
Clark Mfg. Co.
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Keckley, O. C., Co.
Marsh, Jas. P., Corp.
New York Pressing Machinery Corp.
Nicholson, W. H., & Co.
Rockwell, W. S., Co.
Sarco Co., Inc.
Sterling, Inc.
Sterling Engineering & Mfg. Corp.
Strong, Carlisle & Hammond Div.
Trane Co.
Wright-Austin Co.

TRAPS, LINT

Bowser, Inc.
Butler Mfg. Co.
Eastern Cyclone Conveyor System, Inc.
Hammond Laundry-Cleaning Machinery Co.
Hopkins Equipment Co.
Nicholson, W. H., & Co.
V & W Equipment Co.
Western Laundry Machinery Co.

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Morehead Mfg. Co.
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Sterling Engineering & Mfg. Corp.
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TRAPS, RETURN

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New York Pressing Machinery Corp.
Nicholson, W. H., & Co.
Schaub, Fred H., Engineering Co.
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Sterling Engineering & Mfg. Corp.
Strong, Carlisle & Hammond Div.
Trane Co.
Webster, Warren, & Co.
Wright-Austin Co.

TRAPS, STEAM

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Anderson, V. D., Co., Div., International Basic Economy Corp.
Armstrong Machine Works
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Clark Mfg. Co.
Cochrane Corp.
Coe Mfg. Co.
Crane Co.
Dunham-Bush, Inc.
Kaye & MacDonald, Inc.
Keckley, O. C., Co.
Lakewood Manufacturing Co.
Marsh, Jas. P., Corp.
Morehead Mfg. Co.
New York Pressing Machinery Corp.
Nicholson, W. H., & Co.
Perfecting Service Co.
Powers Regulator Co.
Rockwell, W. S., Co.
Sarco Co., Inc.
Schaub, Fred H., Engineering Co.
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Strong, Carlisle & Hammond Div.
Trane Co.
Velan Engineering Co.
Webster, Warren, & Co.
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TRAPS, THERMOSTATIC

Anderson, V. D., Co., Div., International Basic Economy Corp.
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Marsh, Jas. P., Corp.
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Powers Regulator Co.
Sarco Co., Inc.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp.
Strong, Carlisle & Hammond Div.
Trane Co.
Webster, Warren, & Co.
Wright-Austin Co.

TRAPS, VACUUM

Clark Mfg. Co.
Johnson Corp.
Keckley, O. C., Co.
Kelmaker Mfg. Co.
Marsh, Jas. P., Corp.
Mitchell, J. B., Co
Morehead Mfg. Co.
Nicholson, W. H., & Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp.
Strong, Carlisle & Hammond Div.
Webster, Warren, & Co.
Western Laundry Machinery Co.
Wright-Austin Co.

TRAPS, WASHER

Bowser, Inc.
Nicholson, W. H., & Co.
Western Laundry Machinery Co.

TRAYS, PIN

See: Pin-Tray Cabinets

TRICHLORETHYLENE

Detrex Chemical Industries, Inc.
Diamond Alkali Co.
Dow Chemical Co.
DuPont de Nemours, E. I., & Co., Inc.
Stauffer Chemical Co.
Union Carbide Chemicals Co.

TRISODIUM PHOSPHATE

DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Maas, A. R., Chemical Co.
Mallinckrodt Chemical Works
Sergeant, E. M., Pulp & Chemical Co., Inc.

TROLLEYS, MONORAIL

American Monorail Co.
Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
Conco Engineering Works, Div. H. D. Conkey & Co.
Link-Belt Co.
National Marking Machine Co.
Richards-Wilcox Mfg. Co.
Rosenthal Mfg. Co.
Time Savers, Inc.
White Machine Co., Inc.

TROUSER BAGS

See: Bags, Drycleaners

TROUSER FORMS

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Glover, Bill, Inc.
Leef Bros., Inc.
Small Equipment Co., Div., American Laundry Machinery Co.

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Patek & Co.
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West Side Corp.

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Time Savers, Inc.

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See: Replacements, Trouser Pocket

TROUSER TOPPERS

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Excelsior Machinery Co.
New York Pressing Machinery Corp.
Nicholson, W. H., & Co.
P. & H. Industries

TRUCK CASTERS

See: Wheels, Casters (Truck, etc.)

TRUCK DOLLIES

See: Dollies

TRUCK PAINT

See: Paint

TRUCK TUBS

See: Tubs, Truck

TRUCKS, DELIVERY BODIES

Atlas Body Co.
Boyertown Auto Body Works, Inc.
Brown, Dayton T., Inc.
De Kalb Commercial Body Corp.
Ford Div., Ford Motor Co.
Herman Body Co.
International Harvester Co., Motor Truck Div.
Linn Coach & Truck Div., Great American Industries, Inc.
Metropolitan Body Co.
Montpelier Mfg. Co.
Olson, J. B. E., Corp.
Park'N Clean, Inc.
Universal Body Sales, Inc.
Utility Truck Distributors, Inc.
Willys Sales Corp., Fleet Sales Dept.

TRUCKS, INDUSTRIAL

Anderson Box & Basket Co., Inc.
Bernard-Franklin Co., Inc.
Bond Foundry & Machine Co.
Buda Co.
Colson Corp.
Container Development Corp.
Daniels, C. R., Inc.
Fairbanks Co.
Ford Div., Ford Motor Co.
Hamilton Caster & Mfg. Co.
Harloff Mfg. & Supply Co.
Howe Scale Co.
Kentucky Box & Truck Co.
Lamson Corp.
Lane, W. T., & Bros., Inc.
Leebaw Mfg. Co.
Lewis, G. B., Co.
Lewis-Shephard Products, Inc.
McElmoyl, W. J., & Co.
Meese, Inc.
Menasha Wood Split Pulley Co.
Morse Mfg. Co.
Nutting Truck & Caster Co.
Steele Supply Co., Inc.
Victor Adding Machine Co.
Young, Paul O., Co.

TRUCKS, MOTOR

See also: Truck Bodies, Special
Chevrolet Motor Div., General Motors Corp.
Divco Corp.-Wayne Corp.
Dodge Div., Chrysler Corp.
Ford Div., Ford Motor Co.
GMC Truck & Coach Div., General Motors Corp.
International Harvester Co., Motor Truck Div.
Linn Coach & Truck Div., Great American Industries, Inc.
Mack Trucks, Inc.
Marmon-Herrington Co., Inc.
Reo Motors, Inc.
Studebaker-Packard Corp.
White Motor Co.
Willys Sales Corp., Fleet Sales Dept.

TRUCKS, MOTOR, LEASING

Ford Div., Ford Motor Co.
National Truck Leasing System

TRUCKS, SHIRT BASKET

See: Shirt Carriages

TRY-COCKS

Crane Co.
Lunkenheimer Co.
New York Pressing Machinery Corp.
Wright-Austin Co.

TUBES, WRAPPING

See: Wrapping Tubes, Flat Goods

TUBING, COPPER

Bridgeport Brass Co.
Chase Brass & Copper Co.
Revere Copper & Brass, Inc.

TUBING, SEAMLESS, FLEXIBLE METAL

American Brass Co., American Metal Hose Div.
Eclipse-Pioneer Div., Bendix Aviation Corp.
Flexonics Corp.
Johnson Metal Hose, Inc.
Packless Metal Hose, Inc.
Pennsylvania Flexible Metallic Tubing Co.
Ronaflex Tubing Co., Inc.
Universal Metal Hose Co.

TUBING, SEAMLESS, MONEL NICKEL AND NICKEL ALLOY

Bridgeport Brass Co.
Eclipse-Pioneer Div., Bendix Aviation Corp.
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp.
International Nickel Co., Inc.
Revere Copper & Brass, Inc.

TUBING, SEAMLESS STEEL

Crucible Steel Co. of America
Eclipse-Pioneer Div., Bendix Aviation Corp.
Republic Steel Corp.
Revere Copper & Brass, Inc.
Timken Roller Bearing Co.

TUBING, STAINLESS STEEL

Allegheny Ludlum Steel Corp.
Berger Mfg. Div., Republic Steel Corp.
Crucible Steel Co. of America
Eclipse-Pioneer Div., Bendix Aviation Corp.
Flexonics Corp.
Republic Steel Corp.
Timken Roller Bearing Co.
Trent Tube Co.

TUBS, GALVANIZED

Bishop David Freeman Co.
Caldwell, W. E., Co.
Rochester Can Co.

TUBS, SCRUB

Bishop David Freeman Co.
Hall, Amos H., & Sons
Virginia Greenstone Co., Inc.
White Machine Co., Inc.

TUBS, STARCH

Bishop David Freeman Co.
Hall, Amos H., & Sons

TUBS, STATIONARY, LAUNDRY TYPE

American Laundry Machinery Co.
Virginia Greenstone Co., Inc.
White Machine Co., Inc.

TUBS, TRUCK

American Laundry Machinery Co.
Bishop David Freeman Co.
Chicago Dryer Co.
Hall, Amos H., & Sons
Harloff Mfg. & Supply Co.
Lewis, G. B., Co.

TUBS, WOOD

Arrow Tank Co., Inc.
Caldwell, W. E., Co.
Cummings-Landau Laundry Machinery Co., Inc.
Hall, Amos H., & Sons
Hauser-Stander Tank Co.

TUMBLER NETS

See: Nets, Laundry

TUMBLER PADS

Bonn, F. H., Co.
Hoyt Mfg. Corp.
Lally, R., Co.
Lewis National Corp.
Manitowoc Cotton Goods Mfg. Co.
Nicholson, W. H., & Co.
Patek & Co.
Quality Products Co.
Vic Mfg. Co.

TUMBLERS, DRYCLEANING

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Butler Mfg. Co.
Cissell, W. M., Mfg. Co., Inc.
Forse Corp.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Hoyt Mfg. Corp.
Huebsch Originators
Manitowoc Engineering Corp.
Martin Equipment Co., Div. American Laundry Machinery Co.
Marvel Mfg. Co.
Mercury Cleaning Systems, Inc.
Miller Laundry Machinery Co.
Mitchell, J. B., Co.
National Dryer Mfg. Co.
Nicholson, W. H., & Co.
Ohio Centrifugals Co.
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Prosperity Co., Div. Ward Industries Corp.
See-O-Matic Corp.
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Western Laundry Machinery Co.

TUMBLERS, LAUNDRY

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Challenge Mfg. Co.
Chicago Dryer Co.
Cissell, W. M., Mfg. Co.
Cook Machinery Co., Inc.
Cummings-Landau Laundry Machinery Co., Inc.
Driair Process Machinery Co.
Ellis Drier Co.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Hoyt Mfg. Corp.
Huebsch Originators
Manitowoc Engineering Corp.
Marvel Mfg. Co.
Miller Laundry Machinery Co.
Mitchell, J. B., Co
National Dryer Mfg. Co.
Nicholson, W. H., & Co.
Ohio Centrifugals Co.
Pantex Mfg. Corp.
Pellerin Milnor Corp.
Prosperity Co., Div. Ward Industries Corp.
Rosco Laundry Equipment
Ross Laundry Machinery Co.
Small Equipment Co., Div., American Laundry Machinery Co.
Smith, T. L., Co.
Speed-Queen, Div. McGraw-Edison Co.
Super Laundry Machinery Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
Western Laundry Machinery Co.

TUMBLERS, FUR CLEANING

See: Fur Cleaning Tumblers

TUMBLERS, RUG CLEANING

American Laundry Machinery Co.
Challenge Mfg. Co.
Cleveland Rug Cleaning Machinery Co.
Hoyt Mfg. Corp.
Mitchell, J. B., Co.
Nicholson, W. H., & Co.

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TUMBLERS, SHAKE-OUT

American Laundry Machinery Co.
Challenge Mfg. Co.
Hoyt Mfg. Corp.
Nicholson, W. H., & Co.
Purkett Mfg. Co.
Reliable Machine Works, Inc.
Rosenthal Mfg. Co.
Smith, T. L., Co.

TURBINE GENERATORS

See: Generators, Electric

TURBINE PUMPS

See: Pumps (under specific headings)

TURBINES, STEAM

Dean Hill Pump Co.
DeLaval Steam Turbine Co.

TURKEY RED OIL

Apex Chemical Co., Inc.
Arnold-Hoffman & Co., Inc.
Concord Chemical Co., Inc.
Dello Products Co.
Standard Soap Co. of Camden
Swift & Co., Industrial Soap Dept.
Wolke, A. F., Co.

TWINE

American Associated Cos.
Callaway Mills, Inc.
Diem & Wing Paper Co.
Dixie Hanger Co.
Lally, R., Co.
Loroco Industries, Inc.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Mount Vernon Mills, Inc.
New York Twine Corp.
Spear Box Co., Inc.
Thomaston Mills

TYING DEVICES

See: Bundle Tyers

UNDERFEED STOKERS

See: Stokers

UNIFORM EMBLEMS

See: Emblems

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Lion Uniform Co.
Master, Geo., Div.
Setlow, M., & Son, Inc.
Shane Uniform Co., Inc.
Shreveport Garment Mfgrs.
Some's Terminal Uniforms
Uniform Sales Co.
United Cotton Goods Co., Inc.

UNIT HEATERS

See: Heaters, Unit

UNLOADING EXTRACTORS

See: Extractors, Mechanical Unloading

UNLOADING WASHERS

See: Washers, Unloading

UPHOLSTERY SHAMPOOING MACHINES

Certified Chemical & Equipment Co.
Clarke Floor Machine Co.
Hild Floor Machine Co., Inc.
Multi-Clean Products, Inc.

UPHOLSTERY SOAPS AND DETERGENTS

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Allen & Vickers, Inc.
American Alcolac Corp.
Armour & Co., Industrial Soap Div.
Caled Products Co., Inc.
Certified Chemical & Equipment Co.
Coastal Chemical Corp.
Colgate-Palmolive Co.
Davies-Young Soap Co.
Diamond Chemical Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Edelmuth Mfg. Chemists
Glamorene, Inc.
Gliss'n Products Co., Inc.
Hild Floor Machine Co., Inc.
Huntington Laboratories, Inc.
Kenco Chemical Co., Inc.
Keystone Aniline & Chemical Co.
Lestoil Inc., Subs., Adell Chemical Co.
Lincoln Research, Inc.
Lustrol Drycleaning Products Co.
Marvella Corp.
Multi-Clean Products, Inc.
Nu-Pro Mfg. Co.
Procter & Gamble Distributing Co.
Riverside Chemical Co., Inc.
Signal Chemical Mfg. Co., Inc.
Spix Products Co.
Standard Soap Co., Div., Concord Chemical Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Street, R. R., & Co., Inc.
Swift & Co., Industrial Soap Dept.
Tower Chemicals, Inc.
Van Chemical Co.
Warco Laboratories, Inc.
Wye Industries

USED MACHINERY

See: Machinery, Used and Rebuilt

VACUUM CLEANERS, HAND

American Pressboard Co., Inc.
Certified Chemical & Equipment Co.
General Electric Co.
Hild Floor Machine Co., Inc.
Ideal Industries, Inc.
Prosperity Co., Div., Ward Industries Corp.
United Vacuum Appliance Corp.

VACUUM CLEANERS, INDUSTRIAL

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Breuer Electric Mfg. Co.
Certified Chemical & Equipment Co.
Clarke Floor Machine Co.
Continental Car-Na-Var Corp.
General Electric Co.
Hild Floor Machine Co., Inc.
Holt Mfg. Co.
Huntington Laboratories, Inc.
Ideal Industries, Inc.
Invincible Vacuum Cleaner Mfg. Co.
Kent Co., Inc.
Lamson Corp.
Multi-Clean Products, Inc.
Roots-Connersville Blower Corp.
Spencer Turbine Co.
U. S. Hoffman Machinery Corp.
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VACUUM CLEANERS, RUG AND CARPET

See: Rug and Carpet Cleaning Equipment

VACUUM PUMPS

See: Pumps, Vacuum

VACUUM PUMPS, STEAM-HEATING

See: Pumps, Vacuum, Steam-Heating

VACUUM RECORDERS

See: Controls anad Regulators (Vacuum)

VACUUM REGULATORS

See: Controls and Regulators, Vacuum

VACUUM STILLS

See: Stills

VACUUM SYSTEMS, PRESSES

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Behrstock, L., Co.
Electronic Machine Co.
Excelsior Machinery Co.
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VACUUM TRAPS

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Ohio Injector Co.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
United Brass Works
U. S. Rubber Co.

VALVE INDICATORS

See: Indicators, Valve

VALVES, AUTOMATIC

American Laundry Machinery Co.
Barber-Colman Co.
Bristol Co.
Cash, A. W., Valve Mfg. Corp.
Chace Valve Div., American Laundry Machinery Co.
Cissell, W. M., Mfg. Co., Inc.
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Defender Instrument & Regulator Co.
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Hammel-Dahl Co.
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Hungerford & Terry, Inc.
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Klipfel Mfg. Co.
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Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co.
Norman Control Co.
Pellerin Milnor Corp.
Rockwell, W. S., Co.
Sterling, Inc.
Trane Co.
Watts Regulator Co.
Western Laundry Machinery Co.

VALVES, BLOW-OFF

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Defender Instrument & Regulator Co.
Edward Valves, Inc.
Fairbanks Co.
Lunkenheimer Co.
McDonnell & Miller, Inc.
National Chemical Sales, Inc.
Ohio Injector Co.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
United Brass Works, Inc.
Yarnall-Waring Co.

VALVES, BOILER NON-RETURN

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David Regulator Co.
Edward Valves, Inc.
Golden-Anderson Valve Specialty Co.
Keckley, O. C., Co.
Minneapolis-Honeywell Regulator Co.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
Trane Co.

VALVES, COMPRESSED AIR

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Crane Co.
Le Roi Co., Subsidiary Westinghouse Air Brake Co.
Lunkenheimer Co.
Minneapolis-Honeywell Regulator Co.
New York Pressing Machinery Corp.
Ohio Injector Co.
Walworth Co.

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Kaye & MacDonald, Inc.
Lunkenheimer Co.
Minneapolis-Honeywell Regulator Co.
Strong, Carlisle & Hammond Div.
United Brass Works, Inc.

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David Regulator Co.
Defender Instrument & Regulator Co.
D'Este Div., Kaye & MacDonald, Inc.
Golden-Anderson Valve Specialty Co.
Huebsch Originators
Keckley, O. C., Co
Klipfel Mfg. Co.
McDonnell & Miller, Inc.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
United Brass Works, Inc.
Watts Regulator Co.
Western Laundry Machinery Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

VALVES, GATE

Chace Valve Div., American Laundry Machinery Co.
Crane Co.
Edward Valves, Inc.
Fairbanks Co.
Jordan Corp.
Lunkenheimer Co.
O P W Corp., Jordan Corp., Industrial Sales Div.
Ohio Injector Co.
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Edward Valves, Inc.
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Trane Co.
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VALVES, MAKE-UP WATER

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Keckley, O. C., Co.
McDonnell & Miller, Inc.
Minneapolis-Honeywell Regulator Co.
Schaub, Fred H., Engineering Co.
United Brass Works, Inc.

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Davis Regulator Co.
Dunham-Bush, Inc.
Eclipse Fuel Engineering Co.
Eclipse-Pioneer Div., Bendix Aviation Corp.
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Hammel-Dahl Co.
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Kaye & MacDonald, Inc.
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Mason-Neilan Regulator Co.
O P W Corp., Jordan Corp., Industrial Sales Div.
Powers Regulator Co.
Republic Flow Meters Co.
Sarco Co., Inc.
Schaub, Fred H., Engineering Co.
Strong, Carlisle & Hammond Div.
Trane Co.
United Brass Works, Inc.
Watts Regulator Co.

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Clark Mfg. Co.
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Crane Co.
Davis Regulator Co.
Defender Instrument & Regulator Co.
Dunham-Bush, Inc.
Eclipse Fuel Engineering Co
Eclipse-Pioneer Div., Bendix Aviation Corp.
Golden-Anderson Valve Specialty Co.
Hammel-Dahl Co.
Jordan Corp.
Kaye & MacDonald, Inc.
Keckley, O. C., Co.
Klipfel Mfg. Co.
Leslie Co.
Lunkenheimer Co.
Mason-Neilan Regulator Co.
O P W Corp., Jordan Corp., Industrial Sales Div.
Powers Regulator Co.
Republic Flow Meters Co.
Sarco Co., Inc.
Squires, C. E., Co.
Strong, Carlisle & Hammond Div.
Trane Co.
Watts Regulator Co.
Westinghouse Air Brake Co., Industrial Products Div.

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Cochrane Corp.
Crane Co.
Crosby Steam Gage & Valve Co.
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Eclipse-Pioneer Div., Bendix Aviation Corp.
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Klipfel Mfg. Co.
Kunkle Valve Co.
Lunkenheimer Co.
McDonnell & Miller, Inc.
Taco Heaters, Inc.
Trane Co.
United Brass Works, Inc.
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Leslie Co.
Lunkenheimer Co.
Marsh, Jas. P., Corp.
Minneapolis-Honeywell Regulator Co.
New York Pressing Machinery Corp.
O P W Corp., Jordan Corp., Industrial Sales Div.
Ohio Injector Co.
Pellerin Milnor Corp.
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Sterling, Inc.
Strong, Carlisle & Hammond Div.
Trane Co.
United Brass Works
Walworth Co.
Watts Regulator Co.
Webster, Warren, & Co.

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Klipfel Mfg. Co.
Leslie Co.
Marsh, Jas. P., Corp.
Minneapolis-Honeywell Regulator Co.
Pellerin Milnor Corp.
O P W Corp., Jordan Corp., Industrial Sales Div.
Powers Regulator Co.
Sarco Co., Inc.
Sterling, Inc.
Watts Regulator Co.

VALVES, WASHWHEEL

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Henrici, Inc., Fritz
Henrici Laundry Machinery Co.
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Norman Control Co.
Pellerin Milnor Corp.
Walworth Co.

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Defender Instrument & Regulator Co.
D'Este Div., Kaye & MacDonald, Inc.
Fairbanks Co.
Golden-Anderson Valve Specialty Co.
Jordan Corp.
Keckley, O. C., Co.
Klinfel Mfg. Co.
Leslie Co.
Lunkenheimer Co.
McDonnell & Miller, Inc.
Marsh, Jas. P., Corp.
Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co.
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Ohio Injector Co.
Pellerin Milnor Corp.
Strong, Carlisle & Hammond Div.
United Brass Works, Inc.
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Patterson-Kelley Co., Inc.

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Wood's, T. B., Sons
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"V" BELTING SHEAVES

See: Sheaves, "V" Belting

VELVET PRESS BOARDS

See: Press Boards

VELVET STEAMERS

See: Steamers, Velvet

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Calusa Chemical Co.
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See: Fans, Exhaust and Ventilating

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VOLATILE DRY SPOTTER

See: Paint Remover, Spot Remover

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For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

VOLTAGE REGULATORS

See: Controls and Regulators (under specific headings)

WALLS, FURNACE

See: Furnace Walls

WASHCLOTH REPLACEMENTS

See: Replacements, Sheets, Pillowcases, etc.

WASHER CYCLE CONTROLS AND REGULATORS

See: Controls and Regulators, Time

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See: Meters, Washer

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Washer Dryer Mfg. Corp.

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Glover, Bill, Inc.
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Chicago New & Used Laundry Equipment Co.
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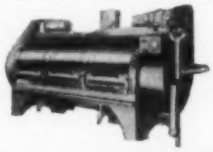

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Mitchell, J. B., Co.
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Ellis Drier Co.
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Nicholson, W. H., & Co.
Smith, T. L., Co.
Super Laundry Machinery Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

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See: Indicators, Time

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See: Compounds, Washing

WASHROOM DETERGENTS

See: Soaps, Laundry

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See: Conveyors, Washroom

WASH-SUIT PRESSES

See: Presses, Wash-Suit

WASHWHEEL RECORDERS

See: Controls and Regulators

WASHWHEEL THERMOMETERS

See: Thermometers

WASHWHEEL VALVES

See: Valves, Washwheel

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See: Clocks, Watchman's

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WATER COLUMNS

See: Columns, Water

WATER CONDITIONERS, CHEMICAL

Bruner Corp.
Butler Engineering Co., Inc.
Calgon Co., Div., Hagan Chemicals & Controls, Inc.
Clayton Mfg. Co.
Cochrane Corp.
Columbia-Southern Chemical Corp.
Cowles Chemical Co.
Culligan, Inc.
Dow Chemical Co.
Drew, E. F., & Co., Inc.
Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hope Chemical Corp.
Hungerford & Terry, Inc.
Infilco, Inc.
Keystone Chemical Co.
Layne & Blower, Inc.
Merchants Chemical Co., Inc.
Monarch Engineering Co.
Nashua Corp.
Oakite Products, Inc.
Oshkosh Filter & Softener Co.
Permutit Co.
Philadelphia Quartz Co.
Refined Products Corp.
Rumford Chemical Works
Solvay Process Div., Allied Chemical & Dye Corp.
Union Carbide Chemicals Co.
Wye Industries

WATER CONDITIONERS, MECHANICAL

American Water Softener Co.
Aqua Electric Scale Control, Inc.
Bruner Corp.
Butler Engineering Co., Inc.
Calgon Co., Div., Hagan Chemicals & Controls, Inc.
Cepi-American, Inc.
Clayton Mfg. Co.
Culligan, Inc.
Electro Chemical Engineering Co., Inc.
Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hungerford & Terry, Inc.
Infilco, Inc.
Monarch Engineering Co.
Oshkosh Filter & Softener Co.
Permutit Co.
Ronningen-Petter Co.
Uniflow Mfg. Co.
Zero Water Softener Mfg. Co.

WATER COOLERS

See: Coolers, Oil, Water, Air

WATER DISTILLING EVAPORATORS

See: Evaporators, Water Distilling

WATER FEED SYSTEMS

See: Boiler Feed Systems

WATER FILTERS

American Water Softener Co.
Bruner Corp.
Butler Engineering Co., Inc.
Carver, Tom, Inc.
Cochrane Corp.
Culligan, Inc.
Drisco Industrial Corp.
Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hungerford & Terry, Inc.
Infilco Inc.
Kenney Softener & Filter Co.
Kisco Boiler & Engineering Co.
Layne & Blower, Inc.
Monarch Engineering Co.
Oshkosh Filter & Softener Co.
Ronningen-Petter Co.
Permutit Co.
Proportioneers, Inc.
Uniflow Mfg. Co.
Washex Machinery Corp.

WATER GAUGES

See: Gauges, Water

WATER HEATERS

See: Heaters, Water

WATER LEVEL INDICATORS

See: Indicators, Water Level

WATER METERS

See: Meters, Water

WATER PRESSURE VALVES

See: Valves, Water Pressure

WATERPROOF LEATHER BELTING

See: Belting, Waterproof Leather

WATER-REPELLENT DIP TANKS

Devere Co.
Drew, E. F., & Co., Inc.
Hopkins Equipment Co.
Miller Laundry Machinery Co.
Pennsalt Chemicals Corp.
Repel-O Products Div., North American Merchandising Co.
Signal Chemical Mfg. Co., Inc.
Stamford Chemical Co.
Street, R. R., & Co., Inc.
Vic Mfg. Co.
White Machine Co., Inc.

WATER REPELLENTS

Adco, Inc.
Apex Chemical Co., Inc.
Aqua-Sec
Benda Products, Inc.
Caled Products Co., Inc.
Coastal Chemical Corp.
Cravenette Co., U. S. A.
Davies-Young Soap Co.

BUCKEYE
LIQUID RE-VI
Water Repellent — Fabric Re-Texture
Order from your Buckeye Jobber
The Davies-Young Soap Co. • Dayton, Ohio

Diamond Alkali Co.
Dixo Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Eaton Chemical & Dyestuff Co.
Edelmuth Mfg. Chemists
Emery Industries, Inc., Sanitone Div.
Fumol Corp.
General Dyestuff Corp.
Germaclean, Inc.
Hope Chemical Corp.
Horn, A. C., Co., Inc.
Huntington Laboratories, Inc.
Johnson, S. C., & Sons, Inc.

(Continued on next page)

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

Water Repellents *(Continued)*

Keystone Aniline & Chemical Co.
Kohnstamm, H., & Co., Inc.
Lustrol Dryceaning Products Co.
Minnesota Mining & Mfg. Co.
Namco Chemical Corp.
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
Paper Chemicals, Inc.
Patek & Co.
Pennsalt Chemicals Corp.
Sandoz Chemical Works, Inc.
Signal Chemical Mfg. Co., Inc.
Spix Products Co.
Stainpruf Mfg. Co.
Stamford Chemical Co.

VIVITEX
100 PLUS
Assures complete repellency
THE STAMFORD CHEMICAL CO.
STAMFORD CONNECTICUT

Street, R. R., & Co., Inc.

REP-100
WATER REPELLENT
SPRAY RATING: 100-100-100
The only non-flammable concentrate capable of producing 100 spray rating in all solvents

Surface Protection Co., Inc.
Talb Industries, Inc.
Warco Laboratories, Inc.
Warwick Chemical Co.
Zel-Tex Co., Inc.

WATER SOFTENERS, CHEMICAL

Abso-Clean Chemical Co.
American Water Softener Co.
Beach Soap Co.
Bersworth Chemical Co.
Bruner Corp.
C & C Water Softener Co.
Calgon Co., Div., Hagan Chemicals & Controls, Inc.
Carver, Tom, Inc.
Coastal Chemical Corp.
Culligan, Inc.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Elgin Softener Corp.
General Aniline & Film Corp., Special Products Sales Div.
General Dyestuff Corp.
Hungerford & Terry, Inc.
Infileo, Inc.
Kenney Softener & Filter Co.
Keystone Chemical Co.
Kisco Boiler & Engineering Co.
Kohnstamm, H., & Co., Inc.
North Coast Chemical & Soap Works
Oakite Products, Inc.
Olin Mathieson Chemical Corp., Industrial Chemicals Div.
Parker, Sid E., Boiler Mfg. Co.
Pellerin Milnor Corp.

Pellerin MILNOR CORPORATION
RAPID-FLO WATER SOFTENERS
180,000 to 3,000,000 grain recovery capacity. Larger units for industrial users.
Jackson St. at Airline Highway, in Kenner, New Orleans, La.

Permutit Co.
Rumford Chemical Works
Slater-Robbins Co., Inc.
Solvay Process Div., Aniline Chemical & Dye Corp.
Stauffer Chemical Co.
Stover Water Softener Co.
Warco Laboratories, Inc.
Wye Industries
Zero Water Softener Mfg. Co.

WATER SOFTENING EQUIPMENT

American Water Softener Co.
Bruner Corp.
Calgon Co., Div., Hagan Chemicals & Controls, Inc.
Carey Salt Mfg. Co.
Cochrane Corp.
Culligan, Inc.
Davis-Weil Mfg. Co.
Dow Chemical Co.
Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hungerford & Terry, Inc.
Infileo Inc.
Kenney Softener & Filter Co.
Kisco Boiler & Engineering Co.
Layne & Blower, Inc.
Monarch Engineering Co.
Oshkosh Filter & Softener Co.
Pellerin Milnor Corp.
Permutit Co.
Uniflow Mfg. Co.
Washer Dryer Mfg. Co.
Zero Water Softener Mfg. Co.

WATER SOLVENT STILLS

See: Stills

WATER STORAGE HEATERS

See: Heaters, Water Storage

WATER SUPPLY PUMPS

See: Pumps, Water Supply

WATER SYSTEMS, HOT

See: Hot Water Systems

WATER TESTERS

See: Testers, Water

WATER TREATMENT, BOILER

See: Boiler Water Treatment

WATER TREATMENT CONTROL TEST EQUIPMENT

See: Water Analysis Equipment

WATER TREATMENT EQUIPMENT

American Water Softener Co.
Aqua Electric Scale Control, Inc.
Bruner Corp.
Calgon Div., Hagan Chemicals & Controls, Inc.
Cepi-American, Inc.
Cochrane Corp.
Culligan, Inc.
Drew, E. F., & Co., Inc.
Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hellige, Inc.
Hungerford & Terry, Inc.
Infileo Inc.
Kisco Boiler & Engineering Co.
Layne & Blower, Inc.
Monarch Engineering Co.
Oshkosh Filter & Softener Co.
Permutit Co.
Proportioneers, Inc.
Ronningen-Petter Co.
Stomac Engineering Co., Inc.
Zero Water Softener Mfg. Co.

WAX AND WAX PRODUCTS

American Associated Cos.
Armour & Co., Industrial Soap Div.
Concord Chemical Co., Inc.

For Smooth Wrinkle-Free Ironing
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CAKE KARAGAMI
JAPAN WAX
Concord Chemical Co., Inc.
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Woodlawn 6-1526

Davies-Young Soap Co.
DuPont de Nemours, E. I., & Co., Inc.
Hope Chemical Corp.
Horn, A. C., Co., Inc.
Huntington Laboratories, Inc.
Innis, Speiden & Co.
Johnson Chemical Industries, Inc.
Keystone Chemical Co.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
Midland Paint & Varnish Co.
Multi-Clean Products, Inc.
Namco Chemical Corp.
Pittsburgh Waterproof Co.
Shell Oil Co.
Speare Co.
Stadham Co., Inc.
Strohmeyer & Arpe Co.
Talb Industries, Inc.
Thompson Hayward Chemical Co.
Tingue, Brown & Co.
Zooz, Victor, Chemical Co.

WAX EMULSIONS

See: Emulsions, Wax

WAX, JAPAN

Concord Chemical Co., Inc.
Innis, Speiden & Co.
Lally, R., Co.
Strohmeyer & Arpe Co.

WEARING APPAREL PRESSES

See: Presses, Wearing Apparel

WEAVING

See: Reweaving

WETCLEANING BRUSHES

See: Brushes

WETCLEANING DETERGENTS SPECIAL

See: Detergents, Special Wetcleaning

WETCLEANING SOAPS

See: Soaps, Wetcleaning

WETCLEANING TABLES

Bishop David Freeman Co.
Columbia Appliance Corp.
Virginia Greenstone Co., Inc.
White Machine Co., Inc.

WETCLEANING WASHERS

See: Washers, Laundry

WETTING AGENTS

American Alcolac Corp.
American Aniline Products, Inc.
Apex Chemical Co., Inc.
Armour & Co., Industrial Soap Div.
Atlas Powder Co., Industrial Chemicals Dept.
Benda Products, Inc.
Caled Products Co., Inc.
Chloral Chemical Corp.
Coastal Chemical Corp.
Colgate-Palmolive Co.
Concord Chemical Co., Inc.
Cravenette Co., U. S. A.
Davies-Young Soap Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Dixo Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
General Aniline & Film Corp., Special Products Sales Div.
General Dyestuff Corp.
Hope Chemical Corp.
Hercules Powder Co., Inc.
Keystone Aniline & Chemical Co.
Kohnstamm, H., & Co., Inc.
Lestoil Inc., sub., Adell Chemical Co.
Lustrol Dryceaning Products Co.
Marclene Chemical Corp.
Merchants Chemical Co., Inc.
National Aniline Div., Allied Chemical & Dye Corp.
Nu-Pro Mfg. Co.
Oakite Products, Inc.
Patek & Co.
Pennsalt Chemicals Corp.
Procter & Gamble Distributing Co.
Robins, G. S., Co.
Sandoz Chemical Works, Inc.
Speedlite Chemicals Co.
Stamford Chemical Co.
Standard Soap Co., Div., Concord Chemical Co., Inc.
Sterling Supply Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

Street, R. R., & Co., Inc.
Swift & Co., Industrial Soap Dept.
Talb Industries, Inc.
Tower Chemicals, Inc.
Union Carbide Chemicals Co.
Universal Solvent Co.
Van Chemical Co.
Victor Chemical Works
Warco Laboratories, Inc.
Wolke, A. F., Co.
Wye Industries
Zel-Tex Co., Inc.

WETWASH BAGS
See: Bags, Wetwash

WETWASH PAPER
See: Paper, Wetwash

WHEAT STARCH
See: Starch, Wheat

WHEELS AND CASTERS, TRUCK ETC.
Aerol Co., Inc.
Bernard-Franklin Co., Inc.
Bond Foundry & Machine Co.
Clinton Products Co.
Colson Corp.
Darnell Corp., Ltd
Fairbanks Co.
Hamilton Caster & Mfg. Co.
Lane, W. T., & Bros., Inc.
Menasha Wood Split Pulley Co.
Newhouse Specialty Co., Inc.
Payson Mfg. Co.
Time Savers, Inc.
U. S. Rubber Co.

WHITENERS, FLUORESCENT
Calgon Co., Div., Hagan Chemicals & Controls, Inc.
Carlton Chemical Co.
Colgate-Palmolive Co.
DuPont de Nemours, E. I., & Co., Inc.
Kohnstamm, H., & Co., Inc.
North American Dye Corp.
Pennsalt Chemicals Corp.
Wye Industries

WINDOWS, DRIVE-IN
See: Drive-In Windows

WINDOW SIGNS AND VALANCES
See: Sales Promotion Material

WINDWHIP DRIERS
See: Driers, Windwhip

WIPING CLOTHS
Callaway Mills, Inc.
Chemstrand Corp.
Textile Products
Union Carbide Corp.

WIRE AND CABLE, INSULATED
Chace Valve Div., American Laundry Machinery Co.
General Electric Co.
U. S. Rubber Co.

WIRE BASKETS
See: Baskets, Wire

WIRE HANGERS
See: Hangers, Garment

WIRE STAPLES
See: Staples, Wire

WOOD BASKETS
See: Baskets, Wood

WOOD BOXES
See: Boxes, Wood

WOOD CYLINDERS
See: Washer Cylinders, Wood

WOOD FOLDING BOXES
See: Boxes, Wood

WOOD HAMPERS
See: Hampers

WOOD HAND TRUCKS
See: Trucks, Industrial

WOOD HANGERS
See: Hangers, Garment

WOOD PAINT
See: Paint

WOOD RACKS
See: Racks (under specific headings)

WOOD TABLES
See: Tables, Wood

WOOD TANKS
See: Tanks, Wood

WOOD TRUCKS
See: Trucks, Industrial

WOOD TUBS
See: Tubs, Wood

WOOD VATS
See: Vats, Wood

WOOD WASHERS
See: Washers, Drycleaning, Wood, or Washers, Laundry, Wood

WOOL AND WORSTED UNIFORMS
See: Uniforms, Cotton, Woolen, Worsted, etc.

WOOLEN AND CURTAIN DRIERS
See: Driers, Wool and Curtain

WOOLEN BLEACH
See: Bleach

WOOLEN SOAPS
See: Soaps, Silks and Woolens

WORK CLOTHES DISPENSERS
Change-O-Matic Corp.

WOVEN BELTING
See: Belting, Woven

WOVEN MARKING LABELS
See: Labels, Woven, Marking

WRAPPERS, PAPER
Connolly, J. J., Inc.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Reliable Laundry Supplies
Rosenthal Paper Co.
Spear Box Co., Inc.

WRAPPERS, SHIRT
All Star Industries
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Morse Display Cases
Package Masters, Inc.
Pak-Rite Flexible Packaging Co.
Phoenix Products Co.
Quik-Pac Div. H. Wesley Hutchins Co.
Reliable Laundry Supplies
Rosenthal Paper Co.
Spear Box Co., Inc.
Technical Tape Corp.
Wormstead, Smith & Loomis, Inc.

WRAPPERS, TABLECLOTH
Spear Box Co., Inc.

WRAPPING DEVICES, AUTOMATIC
Coffman Mfg. Corp.
Connolly, J. J., Inc.
Lally, R., Co.
Norman Controls Co.
Quik-Pac Div., H. Wesley Hutchins Co.
Rosenthal Mfg. Co.
Technical Tape Corp.
Tele-Vue Packaging Products, Inc.

WRAPPING PAPER
See: Paper, Wrapping

WRAPPING TUBES, FLAT GOODS
Spear Box Co., Inc.

WRENCHES, PIPE
Newhouse Specialty Co., Inc.
Walworth Co.

WRINGERS, RUG AND CARPET
See: Rug and Carpet Wringers

ZEOLITE
Bruner Corp.
Calgon Co., Div., Hagan Chemicals & Controls, Inc.
Cochrane Corp.
Culligan, Inc.
Elgin Softener Corp.
Graver Tank & Mfg. Co.
Hungerford & Terry, Inc.
Infilco, Inc.
Kenney Softener & Filter Co.
Kisco Boiler & Engineering Co.
Monarch Engineering Co.
National Aluminate Corp.
National Chemical Sales Co., Laboratory, Inc.
Oshkosh Filter & Softener Co.
Permutit Co.
Research Products Corp.
Stover Water Softener Co.
Zero Water Softener Mfg. Co.

ZIPPER REPAIR AND EQUIPMENT SUPPLY
See: Fasteners, Slide, Repair Equipment and Tools

ZIPPERS
Arrow Mfg. Co.
GlenZip Co.
Kee Zipper Corp.
Lieberman, B. & G., Co., Inc.
Piolet Button & Novelty Corp.
Steven, Michael, Corp.
Talon, Inc.

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

TRADE NAMES

products manufactured by display advertisers in this Guidebook issue

A

AA, washers, extractors, AA Laundry Machinery Co.
A-B, marking tags, Boston Clip & Tag Co.
AB, sock tag, Boston Clip & Tag Co.
ABC, collar, cuff and neckband replacements, ABC Collar 'N' Cuff Co.
ABC, payroll system, Todd Co., Inc.
AGX, stain remover, Eaton Chemical & Dyestuff Co.
AM, pocket pH meter, electrometric, Analytical Measurements, Inc.
ATC, controls and regulators, time switches, Automatic Temperature Control Co., Inc.
ABSO-SOFT, water softener, Kisco Boiler & Engineering Co.
ACADEMY, wire hangers, West Side Corp.
A.C.B. PRIMER, anti-corrosive, base primer, Tropical Paint & Oil Co.
ACCELATOR, water softeners, Infilco, Inc.
ACCUMET, precision investment castings, Crucible Steel Co. of America
ACCUMETER, automatic centralized lubrication systems, Alemite Div., Stewart Warner Corp.
ACE, reweaving, Ace Weaving Service
ACE, stapler, staples, Ace Fastener Corp.
ACE, starch cookers, Hammond Laundry-Cleaning Machinery Co.
ACECO, drycleaning equipment, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ACE OF SPADES, black indelible ink, Boston Clip & Tag Co.
ACE OF SPADES, black indelible ink, Boston Clip & Tag Co.
ACETEX, sour, Hood Chemical Co., Inc.
ACETI SOUR, sour for drycleaners, Keever Starch Co.
ACIDOL, sour, Patek & Co.
ACID-SUDS, rug cleaning detergent for light colors, Certified Chemical & Equipment Co.
ACME, dyeing, Acme Dye House, Inc.
ACME, folding box, Rosenthal Paper Co.
ACME, laundry soap and builders, powder, Acme Soap Co.
ACME BRAND, hat chemical and bleach, Acme Hatters Supply Co.
ACME F.O.T., fuel treatment, Acme Industrial Compounds Corp.
ACME SCALE-OUT, boiler feed-water treatment, Acme Industrial Compounds Corp.
ACME SOOT STOP, soot remover, Acme Industrial Compounds Corp.
ACORN, round belting, Graton & Knight Co.
ACRILAN, acrylic fiber, Chemstand Corp.
ACROTEX, F. W. I. Cover cloth, H. Kohnstamm & Co., Inc.
ACTICAR, odor-, taste-removal filter, Hungerford & Terry, Inc.
ACTIVATED PERBORATE, bleach, Warco Laboratories, Inc.
ACTIVATOR, laundry washing machines, General Electric Co.
AC TREATMENT, anti-corrosion water treatment, Elgin Softener Corp.
AD, detergent, Colgate-Palmolive Co.
AD-A-BIB, Kwik Kover Sales Co.
ADAMS, reweaving, Adams Weaving Co.
ADAPT-O-MATIC, finishing machine, J. W. Steele & Co.
ADCO, detergent, wet paste soap, rug shampoo, pine spotter, Adco, Inc.
ADCO, rubber cement, Adhesive Products Corp.
ADCO SIZE, petroleum and synthetic garment sizing, Adco, Inc.
ADCO SPRAY SPOTTER, spray spotter, Adco, Inc.
ADD-A-UNIT, curtain stretcher, Rosenthal Mfg. Co.
ADD-A-UNIT, shirt-sorting bins, Time Savers, Inc.
ADDRESSOGRAPH, addressing equipment, Addressograph-Multigraph Corp.
AD-DRI, bleach, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
ADJUST-A-DRAPE, drapery former and finisher, Morey Seldin Machinery Corp.
ADJUSTA-FORM, steam-air finisher, Wichita Precision Tool Co., Inc.
ADJUSTIT, adjustable garment hangers, Hopkins Equipment Co.
ADJUSTO DECK, rack fittings for garment rails and shelving, Walter Haertel Co.
ADJUST-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
ADJUSTO-SYNCHRON TIMER, automatic laundry Timer, Unit Wash Corp.
ADRIAN, drycleaning soap, liquid and powder wetcleaning soap, powder rug cleaning soap, spotting and mothproofing agents, Adrian Research & Chemical Co., Inc.
ADSCO, expansion joints, steam traps, water heaters, American District Steam Co., Inc.
ADS-LIFE, nylon press cover, Whitehouse Nylon Products
ADVANCE AIRDRY TUMBLER, laundry and drycleaning tumbler, Driair Process Machinery Co.
ADVANCE LOWBOY, floor and rug maintenance machinery, Advance Floor Machine Co.
ADVANCE SPEEDWAY, floor and rug maintenance machinery and equipment, Advance Floor Machine Co.
ADVERTAG, advertising, instruction tags, Denney Tag Co.
A. E. PERFECT SPREAD, stokers, American Engineering Co.
AERO, double collar support, J. W. Steele & Co.
AERO DRAULIC, drycleaning press, W. H. Nicholson & Co.
AEROL, wheels and casters, Aerol Co., Inc.
AEROLSEAL, wheel, Aerol Co., Inc.
AERO-MAGNETTE, circuit breakers, Heinemann Electric Co.
AER-PAK, tumbler unit to eliminate lint and static, The Dyer Co.
AERTITE, boiling coating, Johns-Manville
AETNA FELT, woven and pressed-hair felt, Aetna Felt Co., Inc.
AFCO-LINK, rubber link entrance mats in colors, American Floor Products Co.
AID-SOL, solvent purifier, Adrian Research & Chemical Co.
AIRBLOC, hoists, Ingersoll-Rand Co.
AIRCON, continuous conditioning tumbler, American Laundry Machinery Co.
AIR CHIEF, truck tires, Mohawk Rubber Co.
AIRCRAFT, drying tumbler, American Laundry Machinery Co.
AIR-DI, tool steel, Crucible Steel Co. of America
AIR DRY TUMBLER, laundry and drycleaning tumbler, Driair Process Machinery Co.
AIREX, anhydrous laundry builder, Speedlite Chemicals Co., Div. Patek & Co.
AIRFOAM, latex cushioning for press pads, Goodyear Tire & Rubber Co.
AIR-JET, flatwork folder, Troy Laundry Machinery Div., American Machine & Metals, Inc.
AIRLITE, wheel, Aerol Co., Inc.
AIR-LOK, cuff-drying hanger, R. D. Bussard & Son
AIR MASTER, dehumidifying unit, Walter Haertel Co.
AIR-MOLD, plastic mold steel, Crucible Steel Co. of America
AIROCOOL, industrial gas burners, National Airoil Burner Co.
AIR-O-MATIC, air operated garment bagger, Speed Check Co., Inc.
AIROVENT, blowers, National Airoil Burner Co.
AIRPRESS TEX, synthetic fabric, Zuckerberg Co.
AIRTEMP, air-conditioning equipment, Chrysler Corp., Airtemp Div.
AIRTUBE, pneumatic tubes, Lamson Corp.
AIR-VAC, vacuuming system, Goldman Pressing Machine Corp.
AIRVAN, aluminum parcel truck body, Dayton T. Brown, Co.
AIRVENT, ventilating canopies for flatwork ironers, American Laundry Machinery Co.
AIRWAY, cuff cleaner, Kirk's Leather Cleaners
AIRWAY, cylinderless laundry dryer, American Laundry Machinery Co.
AIRXPEL, traps, Wright-Austin Co.
AJAX, cleaner, Colgate-Palmolive Co.
AJAX, pressing machines and shirt folding machines, Ajax Presses
AKUSTAN, fire retardant, General Dyestuff Corp.
ALASKAN, evaporative air coolers, fans—blowers, laboratory appliances, National Engineering & Mfg. Co.
ALBANY, lubricating greases, Adam Cook's Sons, Inc.
ALBAPHOR, textile whitener, Carlton Chemical Co., Inc.
ALBA-VIS, general purpose oil, Adam Cook's Sons, Inc
AL-BEX, stain remover, Spix Products Co.
ALBONE, hydrogen peroxide, E. I. du Pont de Nemours & Co., Inc.
ALBRA, brushes, brooms, Braun Brush Co.
ALEMITE, lubricants and oils, lubricating equipment, Stewart-Warner Corp., Alemite Corp.
ALEMITE VERSATAL, spray equipment, Stewart-Warner Corp., Alemite Corp.
ALERT, boilers, heaters, tanks, Alert Boiler & Mfg. Co.
ALFCO, all types fire extinguishers, motorized firefighting apparatus, American-La France-Foamite Corp.
ALFCOSPRAY, nozzles, American-La France-Foamite Corp.
ALFITE, all types fire extinguishers, American-La France-Foamite Corp.
ALFREDA, fur repair, remodeling, purchasing service, Alfreda Furs
ALGONQUIN, soap, Lewis National Corp.
ALIZARINE, aniline dyes, American Aniline Products, Inc.
ALKALATE, laundry detergent, Diamond Alkali Co.
ALKANOL, surface active agents and textile processing agent, E. I. du Pont de Nemours & Co., Inc.
ALKASOL COMBINATION, self-mixed soap detergent, Merson Products Co.
AL-KLOR, liquid drycleaning detergent, Davies-Young Soap Co.
ALKOLUBE, alkali, Washine National Sands, Inc.
ALKON, laundry breaks, George Stearns Chemical & Mfg. Co.
ALKOSOL, alkali soap builder, Carlton Chemical Co., Inc
ALL COLER, bleach, Warco Laboratories, Inc.
ALL-DAY, laundry marking tag, Boston Clip & Tag Co.
ALLEGHENY, stainless steel, Allegheny Ludlum Steel Corp.
ALLEGHENY LUDLUM, tool and die steels—electrical alloys, Allegheny Ludlum Steel Corp.
ALLEN, electric steam generators, steam electric and electric irons, H. P. Cooper & Co.
ALLEN WALES, adding machines, National Cash Register Co.
ALLIGATOR, belt fasteners, belt cutters, Flexible Steel Lacing Co.
ALL-IN-ONE, air-conditioning unit, Chrysler Corp., Airtemp Div.
ALL IN ONE, zipper repair kit, spotting gun, press clamp, sleeve formers, auto rack, Newhouse Specialty Co., Inc.
ALLOCK, laundry nets and fabrics, Davis Mills Inc.
ALL-PURPOSE, shirt unit, Prosperity Co., Div. Ward Industries Corp.
ALL-PURPOSE, sour, Thompson-Hayward Chemical Co.
ALL-PURPOSE, starch, A. E. Staley Mfg. Co.
ALL PURPOSE FORM FINISHER, steam-air finishers, garment, Excelsior Machinery Co.
ALL-STEEL, scales, Triner Scale & Mfg. Co.
ALLWAY, trouser shaper, Huebsch Originators Co., Div. American Laundry Machinery Co.
ALLWEATHER, fire extinguishers, American-La France-Foamite Corp.
ALL WIRE, garment hangers, Star Service Hanger Div., Young Spring & Wire Corp.
ALMCON, automatic washing control, American Laundry Machinery Co.
ALPHA, oil pumps, Lunkenheimer Co.
ALRITE, pins, trays and tray cabinets, marking pins, Keyes-Davis Co.
ALROLENE 70, petroleum drycleaning detergent, Hope Chemical Co.
ALROLENE 65, synthetic drycleaning detergent, Hope Chemical Co.
ALROMINE, RU100, diaper and cotton softener, Hope Chemical Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

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ALROPEL, dry size and water repellents, Hope Chemical Co.
ALROSNE 31, synthetic detergent, Hope Chemical Co.
ALROSEPT, germicide and fabric softener, Hope Chemical Co.
ALROSOL, wetting agent and penetrant, Hope Chemical Co.
ALROWET, wetting agent, Hope Chemical Co.
ALSEN, oil cups, Lukenheimer Co.
ALTON, air washer type evaporator cooler and air conditioning unit, Alton Mfg. Co.
ALUMEX 50, 60, 70, high alumina firebrick, kiln liners, Mexico Refractories Co.
ALUMINUM OILITE, bearings and parts, Chrysler Corp., Amplex Div.
ALVOR, oil control, Lunkenheimer Co.
AMACEL, acetate dyes, American Aniline Products, Inc.
AMAFORM, dyeing agent, American Aniline Products, Inc.
AMALIE, oils and greases, L. Sonneborn Sons, Inc.
AMANIL, dyestuffs, American Aniline Products, Inc.
AMAPRO UNION, aniline dyes, American Aniline Products, Inc.
AMAZON, washing powder, Swift & Co.
AMBASSADOR, continuous towel cabinet, Ambassador Continuous Cabinet Co.
AMBASSADOR, synthetic solvent drycleaning unit, Detrex Chemical Industries, Inc.
AMBER, all-metal sleeve board, sleeve form, sleeve press board, press clamp, steam iron stand, iron stand, iron rest, pants stretcher, marking pen, Amber Mfg. Co.
AMBER, neutral tallow soap, Proctor & Gamble Distributing Co.
AMERICAINE, first aid for cuts, burns and bruises, Americaine, Inc.
AMBER METHOD, reweaving process, Amber School of Reweaving
AMERICAN, continuous towel cabinets, paper towel cabinets, Steiner Sales Co.
AMERICAN, curtain and blanket finishing equipment, American Laundry Machinery Co.
AMERICAN, drying and deodorizing cabinet, American Laundry Machinery Co.
AMERICAN, flatwork feeder and spreader, American Laundry Machinery Co.
AMERICAN, flexible metal hose, flexible metal tubing, American Brass Co., American Metal Hose Div.
AMERICAN, high-speed tumblers, American Laundry Machinery Co.
AMERICAN, laundry and drycleaning solid-curb extractors, American Laundry Machinery Co.
AMERICAN, men's dress and sport shirts, pajamas, American Shirt Co.
AMERICAN, paint and grease removing solvent, Adco, Inc.
AMERICAN, starch cookers, American Laundry Machinery Co.
AMERICAN, water meters, Buffalo Meter Co.
AMERICAN, wearing apparel, linen supply and other special-purpose press units, American Laundry Machinery Co.
AMERICAN AIRCRAFT, tumblers, American Laundry Machinery Co.
AMERICAN AUTOMATIC, drycleaning tumblers, temperature controls, American Laundry Machinery Co.
AMERICAN BEAUTY, electric flatirons, American Electrical Heater Co.
AMERICAN CASCADE, washers, American Laundry Machinery Co.
AMERICAN FORMATIC, shirt unit, American Laundry Machinery Co.
AMERICAN-LA FRANCE, fire extinguishers, motorized fire-fighting apparatus, American-La France-Foamite Corp.
AMERICAN MODEL "S." super and master ironers, American Laundry Machinery Co.
AMERICAN MUROZA, feather cleaning and sterilizing systems, American Laundry Machinery Co.
AMERICAN O. T., drycleaning extractor, American Laundry Machinery Co.
AMERICAN SUPER SPEED, tumblers, American Laundry Machinery Co.
AMERICAN SYSTEM, shirt conveyor and presses, American Laundry Machinery Co.
AMERICAN TYPE A and TYPE C, semi-automatic washer controls, American Laundry Machinery Co.
AMERICAN VISIBLE, hand numbering machine, American Numbering Machine Co.
AMERICAN ZONE-AIR, feather reconditioning unit, American Laundry Machinery Co.
AMERICAN ZONE-AIR, laundry and drycleaning tumblers, American Laundry Machinery Co.
AMES, boiler engines, etc., Ames Iron Works, Inc.
AMESTEAM, steam generator, Ames Iron Works, Inc.
AMINOL, drycleaning detergent, Trico Chemical Div., Tri-State Equipment Co.
AMMOCIDE, laundry sterilizer, mildew preventative, Carlton Chemical Co., Inc.
AMMUM, wear-resistant metal for traps, valve parts, Strong, Carlisle & Hammond Div.
AMOREDTEX, extractor covers, Patek & Co.
AMPERE, canvas stitched belting, Victor Balata & Textile Belting Co.
AMSCO, high-flash Stoddard solvent, 140° F solvent, special naptha, American Mineral Spirits Co.
AMYLIN, laundry starches, National Starch Products, Inc.
AMYL-SOL, synthetic amyl acetate, Warco Laboratories, Inc.
ANCHOR ALKALI, alkali cleanser, Solvent Process Div., Allied Chemical & Dye Corp.
ANDERSON, patented collar supports, Anderson Collar Support Co.
ANDERSON, pipe-line strainers, steam traps, V. D. Anderson Co.
ANDERSON EASY-LOCK, drapery protector, Anderson Specialty Mfg. Co.
ANDREW, ball and roller bearings, bronze bushings and steel balls, Andrew Parts Mfg. Co.
ANGELICA, washable service apparel, Angelica Uniform Co.
ANHYDRO, spotting agent, A. L. Wilson Chemical Co.
ANOLITE, moisture dispersing agent for charged systems, R. R. Street & Co., Inc.
ANSUL, fire extinguishers, Ansul Chemical Co.
ANTHONY, oil burners, pipe-line strainers, valve, Anthony Co.
ANTHONY NEBULYTE, gas, gas-oil, oil burners, torches, Anthony Co.
ANTI-CRUSH, double collar supports, J. W. Steel & Co.
ANTI-HYDRO, leather belting, waterproof cement, Webb Belting & Supply Co.
ANTI-R-G, anti-rolling compound, Gibraltar Fabrics, Inc
ANTI-LINT, anti-static and lint concentrate, Signal Chemical Mfg. Co., Inc.
ANTI-ROLL, checks rolling on flatwork ironers, H. Kohnstamm & Co., Inc.
ANTISEPTIC HUNTOLENE, germ controller, Huntington Laboratories
ANTI-WINE, liquid bleaching agent for spotting, Warco Laboratories, Inc.
ANVIL-PUMICE, toilet soaps, Los Angeles Soap Co.
A1-A2, sudsy and clear ammonia, Reslabs, Inc., Div., Linco Products Corp.
APACHE, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
APCO 125, deodorized, drycleaning solvent, Anderson-Prichard Oil Corp.
APCO 140 F, dry cleaning solvent, Anderson-Prichard Oil Corp.
APCO-WATER SAVER, water regulator, Appliance Service Co.
APEX WASH-A-MATIC, 8-pound automatic laundry washer, Apex Rotarex Corp.
APPLEGATE, indelible ink (silver base), laundry marking pens, linen marking machine (hand, foot and motor power), Applegate Chemical Co.
APPLICET, powdered aluminum acetate, Arnold-Hoffman & Co., Inc.
AQUADOL, wet spotter and neutral lubricant, Stamford Chemical Co.
AQUA-ELECTRIC, water treatment equipment, Aqua Electric Scale Control, Inc.
AQUALINE, concentrated liquid wet cleaner, Lustrol Drycleaning Products, Div. Patek & Co.
AQUA-MIZER, water recirculator, Excelsior Machinery Co.
AQUANOL, wire and cable, General Electric Co.
AQUASTEAM, pressing iron system, Automatic Steam Products Corp.
AQUATIZE, water-soluble sizing, Dixo Co., Inc.
AQUAWAX, self-emulsifying lubricant wax, Concord Chemical Co.
ARABOL, starch, Arabol Mfg. Co.
ARBOGAST, system of condensate control, Southern Machinery Co.
ARBUTUS, soap, Minnesota Chemical Co.
ARCTIC, fire extinguishers, American-La France-Foamite Corp.
ARCTIC CRYSTAL, all-tallow soap and granulated flakes, Colgate-Palmolive Co.
ARCTIC SYNTEX, H. D., M, 036, synthetic detergents, Colgate-Palmolive Co.
ARIDEX, renewable water repellent, E. I. du Pont de Nemours & Co., Inc.
ARIDZONE, synthetic zeolite water softener, Elgin Softener Corp.
ARISTOCRAT, pillow tickings, R. Lally Co.
ARISTOCRAT, safety pins, William Prym, Inc.
ARISTOCRAT, steel file cabinets, Remington Rand, Inc.
ARISTOCRAT, match bock, Universal Match Corp.
ARISTOCRAT PAD-N-KUVER, covered foam rubber pressing pad, Abbey Mfg. Co., Inc.
ARISTOCRAT SPONGE PAD, uncovered foam rubber pressing pad, Abbey Mfg. Co., Inc.
ARISTOMATIC, drycleaning machine and recovery-synthetic, Pinnacle Products Corp.
ARK-VAK, leather belting, Philadelphia Belting Co.
ARLAC, alkali, soap builder, Wyandotte Chemicals Corp., J. B. Ford Co.
ARMA, marking machines, daily delivery tags, roll tags, loop tags, dispenser tags, day tags, indelible ink, safety pins, Pittsburgh Tag Co.
ARMA-MATIC, staplers, stapling machines, Pittsburgh Tag Co.
ARMEN "98." all purpose spotter, Armen Chemicals, Inc.
ARMITE, anti-seize compound, thread lubricant, joint seal compound, gasket paste, Armite Laboratories
ARMORBELT, metal belt conveyor, M-H Standard Co.
ARMOR-TREDS, molded heavy duty rubber stair treads, American Floor Products Co.
ARMORTUBE, pneumatic armored tubing, Bailey Meter Co.
ARMOUR'S, 40% pure coconut liquid soap for rugs, Armour & Co., Industrial Soap Dept.
ARMOWAX, domestic hard wax, Armour & Co.
ARMSTRONG, humidifiers, strainers, pipe line, steam traps, Armstrong Machine Works
ARMS, 1270, nylon, wool press cloth, Arms Textile Mfg. Co.
ARRESTO-MOTH, mothproofing compound, Pennsalt Chemicals Corp.
ARROW, sponge pads, Arrow Mfg. Co.
ARROW, staplers, staples, staple removers, gum tackers, Arrow Fastener Co., Inc.
ARROW, wood tanks, tubs, cylinders, outside shells, vats and washers, Arrow Tank Co., Inc.
ARROW COVER N PAD, padding for dry cleaning machines, Arrow Mfg. Co.
ARROW LAUNDRO-PAD, laundry press pad, Arrow Mfg. Co.
ARROW LINE, hat renovating, manufacturing and blocking machinery, American Hatters Supplies, Inc.
ARROW LONG ARM, long-reach stapler, Arrow Fastener Co., Inc.
ARROW P22, hand stapler, Arrow Fastener Co., Inc.
ARSECO, washing compounds and specialties, alcoholic type anti-freeze, Riverside Chemical Co.
ASBESTALL, blended nylon and asbestos press cloths, U. S. Rubber Co., Textile Div.
ASBESTEX, asbestos covers, X. S. Smith, Inc.
"ASBESTO" 3-DIMENSIONAL, pressing machine boots, F. H. Bonn Co.
ASBESTON, chest-type flatwork ironer cover, U. S. Rubber Co., Textile Div.
ASHVEYOR, pneumatic conveyor system, Brady Conveyors Corp.
ASSEMBLY ARC, fittings to facilitate assembly of garments, Time Savers, Inc.
ASSISTEX, concentrated drycleaning soap, R. R. Street & Co., Inc.
ATEX, latex cement, Adhesive Products Corp.
ATLANTIC, non-sour blue, Beach Soap Co.
ATLAS, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ATLAS, hand-type tape sealing machine, Time Savers, Inc.
ATLAS, truck bodies, Atlas Body Co.
ATLAS FIRE RETARDANT, flameproof agent, H. Kohnstamm & Co., Inc.
ATLAS GRAVITY FEEDER RACK, for flatwork ironers, Atlas Steel Products, Inc.
ATLAS MOISTURE CONTROL, for control of moisture retention in laundry extractors, Atlas Steel Products, Inc.
ATLAS RUST SOUR, sour, H. Kohnstamm & Co., Inc.
ATOMIC, drycleaning systems, wet washers, Hammond Laundry-Cleaning Machinery Co.
ATOMOL, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.
ATTASOL, colloidal clay, Attapulgus Clay Co.
ATTORIS, fur glaze and cleaning fluid, Bernard Sirotta Co.
AUNTY LINT, static and lint eliminator, Signal Chemical Mfg. Co., Inc.
AUTO-BAGR, air operated garment bagger, Automatic Specialties, Inc.
AUTO-CHECK, system of subsorting and checking, Automatic Specialties, Inc.
AUTO-CYCLER, automatic cleaning washer-extractor, Washex Machinery Corp.
AUTO FEEDER, supply feeder, open end washer, Bill Glover, Inc.
AUTOGRAPHIC, registers, business forms, Autographic Register Co.
AUTO-LEVEL, boiler return system, valves, Spotswood Parker & Co.
AUTO-LITE, gauges, indicating and recording thermometers, Electric Auto-Lite Co.
AUTOMATIC, lubricators, Victor Lubricator Sales Co.
AUTOMATIC, spray gun, OlsonMark Corp.
AUTOMATIC PALLET LOADER, automatic stacking of cartons, Lamson Corp.
AUTO-MISER, drycleaning tumbler, Prosperity Co., Inc.
AUTO-PER, synthetic solvent drycleaning unit, Vic Cleaning Machine Co.
AUTO POWR-RAIL, garment hanger conveyor, Automatic Specialties, Inc.
AUTOSET, a type of free-vane air-operated controller, Bristol Co.
AUTO TROL, automatic control-open end washer, Bill Glover, Inc.
AVAGLO 20, drycleaning soap, Allen & Vickers, Inc.
AVITEX, surface active agent, E. I. du Pont de Nemours & Co., Inc.
AXIAL-FLOW, exhaust fan, DeBothezat Fans Div., American Machine & Metals, Inc.
AXTEX, first quality, stiff mud firebrick, Mexico Refractories Co.
AYR-MOR, synthetic drycleaning ext.-washer, Butler Mfg. Co.
AZTEX, high heat duty firebrick, Mexico Refractories Co.

B

B & B, press pad combination, R. Lally Co.
B.N.B., collar support, clasp, loop, J. W. Steele & Co.
B-X, bloodstain remover, John P. Lynch Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 236.

BABSOLV, spotter and lubricant, Slater-Robbins Co., Inc.
BABSTOD, concentrated drycleaning soap, Slater-Robbins Co., Inc.
BABTEX, lipstick and paint remover, Slater-Robbins Co., Inc.
BAB-ZYME, digester, Slater-Robbins Co., Inc.
BADGER, break powder, Minnesota Chemical Co.
BADGER, liquid soap, Colgate-Palmolive Co.
BAFFLE-CRETE, first quality castable for baffle construction, Mexico Refractories Co.
BAG-IT, polyethylene garment bags, National Paper Band Co.
BAG N' NET, holder, Time Savers, Inc.
BAG-O-MATIC, combined bagger, invoice desk, bag storage rack, Bishop David Freeman Co.
BAG-O-TEER, garment bagger, Bishop David Freeman Co.
BAG-O-TERIA, tear-pruf transparent plastic or paper bagging, Bishop David Freeman Co.
BALANCED DRIVE, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
BALSAM-WOOL, blanket insulation, Wood Conversion Co.
BAN, instant-acting deodorant, Lustrol Drycleaning Products, Div. Patek & Co.
BANNER, lubricator, Lunkenheimer Co.
BANNER BRAND, button, buckle, pinking, fluting, pleating, darning machines, Maxant Button & Supply Co.
BANTAM, autographic registers, Autographic Register Co.
BANTAM, laundry washer, Troy Laundry Div., American Machine & Metals, Inc.
BANTAM, net, Southern Mills, Inc.
BANTAM BLOUSE-MASTER, ladies' blouse and boys' shirt finisher, Forse Corp.
"BANTAM" SHIRTMASTER, one-girl shirt unit, Forse Corp.
BARBER-COLMAN, electric door operators and controls, Barber-Colman Co.
BARCO, flexible steam, revolving and swing joints, Barco Mfg. Co.
BARCOL, overhead doors, Barber-Colman Co.
BAR-KEY, positive identification system, Barker Mfg. Co.
BARKEY, net and marking pins, Barker Mfg. Co.
BAR-MASTER, knitted nylon nets, X. S. Smith, Inc.
BARNEY, traps, Lakewood Mfg. Co.
BARRELED SUNLIGHT, enamels, paints, varnishes, Barreled Sunlight Paint Co.
BARRETT SPECIFICATION, roofing pitch and roofing felt, Barrett Div., Allied Chemical & Dye Corp.
BAR RUST, exterior and interior inhibitive paint for steel and pipe, Midland Paint & Varnish Co.
BASE CONCENTRATE, paint and grease remover, Lustrol Drycleaning Products, Div. Patek & Co.
BASE D. C. S., emulsifier, Adco, Inc.
BASEX, zeolite, Hungerford & Terry, Inc.
BASKE TRUCK, wire basket truck, Bishop David Freeman Co.
BEACHRITE, built soap, Beach Soap Co.
BEACON, bluing, Hood Chemical Co., Inc., Crescent Div.
BEATS-ALL, covers, nets, padding, Tingue, Brown & Co.
BEAUTY-BLUE, laundry blue, Speare Co.
BEAUTY-TEX, textile sizing, Signal Chemical Mfg. Co., Inc.
BEAUTY WHITE, soap, Colgate-Palmolive Co.
BEAVER, pipe and bolt cutting and threading hand tools and machines, Beaver Pipe Tools, Inc.
BEAVER LUSTER, fur luster, Nycco Products Co.
BEEHIVE, spring padding, Western Laundry Press Co.
BEL-JO, starch, A. E. Staley Mfg. Co.
BELLMASTER, mechanical pipe joint for cast-iron pipe, Dresser Mfg. Div., Dresser Industries, Inc.
BELT-ZIP, belt hanger, Para-Lux Products Co.
BENDA, drycleaning soap, Benda Products, Inc.
BENDASIZE, wet sizing, Benda Products, Inc.
BENDASIZE DRY, permanent dry sizing, Benda Products, Inc.
BENDA SOLV, oil paint and grease remover, Benda Products, Inc.
BENDA SPEED, heavy spotter for oil, paint and grease, Benda Products, Inc.
BENDA-ZYME, digester, Benda Products, Inc.
BENDIX, seamless flexible metal hose, Eclipse-Pioneer Div., Bendix Aviation Corp.
BENDIX WEC, washer, Bendix Commercial Laundry Div., Avco Mfg. Co.
BEN HUR, built synthetic detergent powder, Colgate-Palmolive Co.
BENTON SOL-TEMP, solvent temperature control unit, Benton Bros.
BENZINE, paste drycleaning soap, Patek & Co.
BENZOCARDINOLE OXO, detergent, Apex Chemical Co., Inc.
BERGER, steel lockers, shelving, cabinets, bins, benches, desks and tables, Republic Steel Corp.
BERKSOL, drycleaning soap, Stadham Co., Inc.
BERKSTRIP, stripper, Stadham Co., Inc.
BERKSUDS, synthetic detergent, Stadham Co., Inc.
BERKZYME, spotter, Stadham Co., Inc.
BERLOU MOTHSPRAY, mothproofing agent, Berlou Mfg. Co.
BERSENE BEADS, synthetic detergent, Stadham Co., Inc.
BERSONITE, built soaps, Stadham Co., Inc.
BESLER, steam generators, superheaters, Besler Corp.
BESTAPE, nylon flatwork ironer tape, Tingue, Brown & Co.
BESTEEL, stainless steel flatwork ironer padding, Tingue, Brown & Co.
BESTEEL, straight pins, Fleischer Mills, Inc.
BEST-EVER, asbestos press covers, R. Lally Co.
BEST FORMS, tag identification systems, Best Forms Co.
BEST KNIT, nylon laundry net, Carson Textile Co.
BESTO, synthetic wetcleaning detergent, Nu-Pro Mfg. Co.
BESTOP, nylon press covers, Tingue, Brown & Co.
BESTOS, asbestos ironer roll dressings, Tingue, Brown & Co.
BESTWAY, drycleaning soap, Dello Products Co.
BEST YET, cellophane ribbon, cotton twines, New York Twine Corp.
BIFURCATOR, duct fan, DeBothezat Fans Div., American Machine & Metals, Inc.
BIG BERTHA, laundry and drycleaning tumbler, Hoyt Mfg. Corp.
BIG BOY, automatic tape sealing machine, Time Savers, Inc.
BIG CHIEF, laundry nets, Southern Mills, Inc.
BIG CHIEF, truck tires, Mohawk Rubber Co.
BIG CHIEF, wood washers, Illinois Laundry Machinery Mfg. Co.
BIG FLO, filters, Butler Mfg. Co.
BIG FOUR, firebrick, Mexico Refractories Co.
BIG 4, stripper, Eaton Chemical & Dyestuff Co.
BIG HORN, bentonite clay, Wyotana Mining Co.
BIG HORN WYOMING, colloidal clay, Wyotana Mining Co.
BIG INCH, pressure-sensitive tape dispensers, Better Packages, Inc.
BIGMOUTH, shake-out tumbler, Purkett Mfg. Co.
BIG SAVAGE, high heat duty firebrick, Mexico Refractories Co.
BIG SAVAGE SUPER, firebrick, Mexico Refractories Co.
BILLBOARD, match book, Universal Match Corp.
BILLMYRE DRYSET, vacuum system, Lamson Corp.
BILT, soap base break compound, Proctor & Gamble Distributing Co.
BILVIS-X, detergent and soap builder, Warco Laboratories, Inc.
BINKS, spray painting equipment, Binks Mfg. Co.
BIOPALS, germicidal detergents, General Dyestuff Corp.
BISHOMATIC, thumb-controlled steam-electric iron, Bishop David Freeman Co.
BISHOP LAYBACK, collar-former, Bishop David Freeman Co.
BISHOP LIFETIME TRUCK TUBS, laundry truck tubs, laundry and drycleaning appliances and light production equipment, Bishop David Freeman Co.
BISHOP TRIANGULAR LAYBACK BUTTONER POST, dries and preforms collar for layback blocks, Bishop David Freeman Co.
BISONITE, plastic coating, Washine National Sands, Inc.
BIXLER, conveyor, National Marking Machine Co.
BLACK BEAUTY STRUT HANGER, hangers, W. A. Laidlaw Wire Co.
BLACK DIAMOND, roofing pitch and felt, Barrett Div., Allied Chemical & Dye Corp.
BLACK INDIA, marking pens, Samuel Taubman & Co.
BLACK LINE, knitted padding, Minnesota Chemical Co.
BLACK MAGIC, triple strength activated carbon, Adco, Inc.
BLACK MAGIC, pipe-sealing compound, gasket cement, Bowser, Inc.
BLACKMER, rotary hand and power pumps, Blackmer Pump Co.
BLANCH-STIK, stain remover, Keystone Aniline & Chemical Co., Inc.
BLANCO, all-fabric stripper, Keystone Aniline & Chemical Co., Inc.
BLANKETMASTER, blanket washing machine, Hopkins Equipment Co.
BLEACH RITE, stripper, Coastal Chemical Corp.
BLENCO, rug cleaning sour, Blenco Co.
BLIM, low foam rug detergent, Tower Chemicals, Inc.
BLIX, high foam rug detergent, Tower Chemicals, Inc.
BLOK-RITE, sweater finishing process and machine, Newhouse Specialty Co., Inc.
BLOOD BLASTER, blood stain remover, Ro-Wash
BLOOD-I-CATER, spot remover, W. F. Johnson Products Co.
BLOOD-MUV, stain remover, Package Chemical Co., Inc.
BLOOD-PLUS, spotting aid, Ink-O Products Co.
BLO-R-VAC, water pickup cleaner-vacuum, Ideal Industries, Inc.
BLUD-X, concentrated liquid enzyme, Huntington Laboratories, Inc.
BLUE BELL, blue, H. Kohnstamm & Co., Inc.
BLUE BONNET, blue, H. Kohnstamm & Co., Inc.
BLUE-EDGE, aprons, wetwash bags, Lewis National Corp.
BLUE LABEL, tallow soap, Beach Soap Co.
BLUE LABEL DARCO DC, activated carbon, Darco Dept., Atlas Powder Co.
BLUE LINE, collar supports, hangers, shirt bands, necktie hangers, Loroco Industries, Inc.
BLUE RIBBON, laundry nets, Southern Mills, Inc.
BLUE RIBBON, polishes, waxes, International Metal Polish Co.
BLUE RIBBON, asbestall, foam press covers and combination pad and cover, Norjac Foam & Fabric
BLUE RIDGE, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
BLUE STAR, feed ribbons, New York Belting & Packing Co.
BLUE STREAK "Super D," nylon and dacron nets, Whitehouse Nylon Products
BLUFIXE, sour, H. Kohnstamm & Co., Inc.
BLUFIXE EXTRA-SOLUBLE, sour, H. Kohnstamm & Co., Inc.
BLUREX, sour, Hood Chemical Co., Inc.
BLU-TINT, sour and blue combination, Johnson Chemical Industries, Inc.
BLUTONE, liquid blue, E. F. Drew & Co., Inc.
BOB WHITE, bleach, Dello Products Co.
BOCK, drycleaning laundry extractors, Bock Laundry Machine Co.
BOCKETTE, open end washers, Bock Laundry Machine Co.
BOCK-O-MATIC, extractors, Bock Laundry Machine Co.
BODYMASTER, two-girl cabinet type shirt unit, Forse Corp.
BOILA KLEEN, boiler compound, Patek & Co.
BONASOL, textile dyeing assistants, American Aniline Products, Inc.
BOND, truck casters, Bond Foundry & Machine Co.
BONDERITE, corrosion-resistant paint, Tropical Paint & Oil Co.
BOND SET, silica base bonding mortar, Mexico Refractories Co.
BONIS, fur drum, fur sewing machine, Bonis Bros., Fur Machinery Corp.
BON-SPUN, nylon press covering, F. H. Bonn Co.
BON-TEX, nylon press covering, F. H. Bonn Co.
BON TWIL, nylon fabric, F. H. Bonn Co.
BOOKVEYORS, vertical conveyors, Lamson Corp.
BOOSTER, shirt unit, Unipress Co., Inc.
BORAX, soap dispensers and soap chips, Pacific Coast Borax Co.
BORGANA, boiler water treatment, Strong, Carlisle & Hammond Div.
BORI-BLUE, sour, Keever Starch Co.
BORNES, charge soap, Borne, Scrymser Co.
BOROCHLOR, liquid bleach, H. Kohnstamm & Co., Inc.
BOSTAGS, marking tags, Boston Clip & Tag Co.
BOSTITCH, cuff tackers, stapling machine, staples, Bostitch, Inc.
BO-TY DUO, collar support, Time Savers, Inc.
BOW, collar support, Package Masters, Inc.
BOWSER, stills, filters, Bowser, Inc.
BOW-TIE, collar support, Empire Cardboard Corp.
BOYERTOWN, special motor truck bodies, Boyertown Auto Body Works, Inc.
BRANFORD, oil burners, Malleable Iron Fittings Co.
BREADY, heat reclaimers, heat exchangers, storage and water heaters, Ludell Mfg. Co.
BREAK-AID, solvent pine oil, Thompson-Hayward Chemical Co.
BREAK-O, break powder, Swift & Co., Industrial Soap Dept.
BREAK-PHOS, soap regenerator, Thompson-Hayward Chemical Co.
BREAKSYN, break detergent, E. F. Drew & Co., Inc.
BREECH LOCK, cast-steel gate valves, Lunkenheimer, Co.
BRESSLER, controls, Bressler Engineering Service
BREX, break compound, Procter & Gamble Distributing Co.
BRIDGEPORT, copper water tubing, Bridgeport Brass Co.
BRIGHTGLO, wetcleaning detergent, Merson Products Co.
BRIGHT WHITE, powdered concentrated textile whitener, Ultra White Co.
BRILLIANTONE, sour, G. S. Robins & Co.
BRILLO, press pads, Brillo Mfg. Co., Inc.
BRINE-O-LATOR, water-softening equipment, Carey Salt Co.
BRISTO, multiple spline socket set screws, hollow head cap screws, Bristol Co.
BRISTOL, starch, H. Kohnstamm & Co., Inc.
BRISTOL'S, instruments, Bristol Co.
BRITE, paste drycleaning soap, Keystone Aniline & Chemical Co., Inc.
BRITE-WAL, cellophane and paper combination bags, Comet Envelope & Paper Co., Inc.
BRITEWHITE, laundry blue, Washine Chemical Corp.
BRI-TEX, drycleaning soap, Diamond Chemical Co., Inc.
BRITEX, sours, powdered soap, Van Chemical Co.
BRI-TONE, drycleaning concentrate, Spix Products Co.
BRIZENE, drycleaning soaps, Patek & Co.
BROADBENT, extractor-laundry-centrifugal, Pinnacle Products Corp.
BROS, boilers, heaters, stokers, tanks, Wm. Bros Boiler & Mfg. Co.
BROWNELL, boilers, heat exchangers, stokers, Brownell Co.
BROX, dri-cut cardboards, Alfred J. Brooks
BROXFORMS, shirt boxes, Alfred J. Brooks
BRU-CEX, water conditioning, feeders and chemicals, Bruner Corp.
BRUNER, water softeners, Bruner Corp.
BRUNNER, air compressors, air conditioners, refrigeration condenser, Brunner Div., Dunham-Bush, Inc.
BRUSHAWAY, mechanized brush spotting machine, McCleary Bros., Inc.
BRUSHENE, hand-brushing soap, Keystone Aniline & Chemical Co., Inc.
BRUSH-KLEEN, brushing soap, Adco, Inc.
BRUSH-OUT, liquid drycleaning soap, Caled Products Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

BRUTOL, starch, H. Kohnstamm & Co., Inc.
BRYAN, boilers, Bryan Steam Corp.
BRYANT "COMMANDAIRE" TWINS, matched heating and air conditioning units, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BRYANT CRYSTALGLAS, glass-lined water heater, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BUBBLE RUB CONCENTRATE, upholstery shampooing soap, Keystone Chemical Co.
BUCKEYE, drycleaning washer, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
BUCKEYE, soaps, spotters, stain removers, suede leather dressing, water repellent, paint, oil and grease remover, rug and upholstery shampoo, deodorants, sizings, Davies-Young Soap Co.
BUCKEYE CLEAN-CHARGE, drycleaning detergent, Davies-Young Soap Co.
BUCKEYE TNT, dry size, Davies-Young Soap Co.
BUFF, alkali compound, special detergents, E. F. Drew & Co., Inc.
BUFFALO, extractor, filter, still, Gross Machinery Co., Inc.
BULL DOG, danger flags and clamps, Charleston Rubber Co.
BULLDOG, nylon laundry nets and press covers, metal press pads, X. S. Smith, Inc.
BUMINOL, albuminous stains and blood remover, Spix Products Co.
BUNG, special brick for malleable furnaces, dry press, Mexico Refractories Co.
BUNN, bundle-tying machine, B. H. Bunn Co.
BURBAK, cotton padding, Pittsburgh Waterproof Co.
BURKAY, water heaters, A. O. Smith Corp., Permaglas Div.
BURKS, boiler feed, condensation return feeds, turbine, centrifugal pumps and water system, Decatur Pump Co.
BURMOL, Eaton Chemical & Dyestuff Co.
BUROMIN, boiler water treatment, Hagan Corp.
BURROUGHS, accounting, adding, bookkeeping, calculating, cash-registering machines, business machine supplies, Burroughs Adding Machine Co.
BUSSARD, spooled pants pocketing, collapsible extractor cover, R. D. Bussard & Co.
BUS-TRUCK CHIEF, truck tires, Mohawk Rubber Co.
BUTLER, boiler water treatment, mechanical descaler, Butler Engineering Co.
BUTLER, complete synthetic drycleaning unit, petroleum extracting-washer, vacuum stills, synthetic stills, monel metal screen filter, solvent reclaimer, metal filter screens, tanks, solvent, Butler Mfg. Co.
BUTLER MANUAL PRESS, garment press, manually operated, Butler Mfg. Co.
BUTONOLE, hub perforating dye tag, Boston Clip & Tag Co.
BUTTON-NO-BUTTON, loop and clasp, J. W. Steele & Co.

C

C & S, cleansing powder, Swift & Co.
C. B., drycleaning detergent, Adco, Inc.
C-H, electrical equipment, Cutler-Hammer, Inc.
C-L, washers, extractors, cylinders, Cummings-Landau Laundry Machinery Co., Inc.
CM, flame retardant, E. I. du Pont de Nemours & Co., Inc.
CM, ratchet lever, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
CMC FORMULA, sizing and finishing compound, Huron Milling Div., Hercules Powder Co.
CMH, expansion joints, expansion bellows, flexible metal conduit, Flexonics Corp.
C. Q., iron sequestering regenerator, Speedlite Chemicals Co., Div. Patek & Co.
CWP, color work process, H. Kohnstamm & Co., Inc.
CABINET, shirt unit, Prosperity Co., Inc.
CABINETROL, control panel equipment, General Electric Co.
CABINET-SAN, deodorant, Huntington Laboratories, Inc.
CADET, paper products, Cade Paper & Bag Corp.
CALDWELL, tanks and tubs, W. E. Caldwell Co., Inc.
CALDYE, dye pads, Calusa Chemical Co.
CALECO, drycleaning, laundry, starch extractors, wood laundry washer, wood cylinders, California Laundry Equipment Co.
CALED PRE-SPOTTER, heavy duty pre-spotter, Caled Products Co., Inc.
CALED RUG SHAMPOO, concentrate, Caled Products Co., Inc.
CALED SPRAY SPOTTER, production one-shot spotter, Caled Products Co., Inc.
CALGLOW, fabric whitener and brightener, Calgon Co., Div. Hagan Chemicals & Controls, Inc.
CALGON, detergents, metaphosphate, rug cleaning and finishing compound, sizings, sodium metaphosphate, solvent, lime soap, water conditioners, chemical water softeners, Calgon Co., Div. Hagan Chemicals & Controls, Inc.
CALLANET, knitted nylon nets, Callaway Mills, Inc.
CALL-ette, conveyors, Callette Distributors & Supply Inc.
CALROD, flatiron, General Electric Co.
CAL'S CHARGE, moisture controlling charge soap, Caled Products Co., Inc.
CALSILITE, pipe-covering blocks, Ruberoid Co.
CAL-SIZE, liquid or powder sizing, Caled Products Co., Inc.
CAL-STRIP, liquid concentrated agent, Caled Products Co., Inc.
CAL-TEX, saponified oil-solvent blend with soap, Caled Products Co., Inc.
CALUSA SHOPTOWEL, dyestuff, Calusa Chemical Co.
CAMELFORMS, laundry shells, Campbell Box & Tag Co.
CAMELTAGS, laundry tags, Campbell Box & Tag Co.
CAMEO, starch, A. E. Staley Mfg. Co.
CAMERON, pumps, Ingersoll-Rand Co.
CAMPBELL MICRONETIC, water and signal alarms, J. A. Campbell Co.
CANTON, stokers, steam generators, power plant equipment, Canton Stoker Corp.
CAPITAL, marking tags, U. S. Marking Tag Co.
CAPITAL, posters, streamers for window display, Capital Poster Service
CAPITOL, paint and grease remover, Allen & Vickers, Inc.
CARBO, laundry chemical, Diamond Alkali Co.
CARBO-DUR, activated carbon, Permutit Co.
CARBONOT, insulators, General Electric Co.
CARBON-TET, synthetic cleaning fluid, E.I. du Pont de Nemours & Co., Inc.
CARBOSE CR, special "CMC" product, Wyandotte Chemicals Corp., J. B. Ford Div.
CARBO-SOUR, laundry sour, Diamond Alkali Co.
CARBOXIDE, fumigant, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CARCOVAN, light truck body, Pacific Car & Foundry Co.
CARDOGRAPH, addressograph machine, Addressograph-Multigraph Corp.
CAREY, bathroom cabinets, Philip Carey Mfg. Co.
CAREYDUCT, asbestos cement pipe, Philip Carey Mfg. Co.
CAREY-SOTE, asbestos cement board, Philip Carey Mfg. Co.
CAREY'S SALT, salt tablets, dispensers, Carey Salt Co.
CARGILLE-WAGNER, distilling unit for drycleaning, General Clarifier Corp.
CART-I-TAL, double size platform type collector cart for soiled linen, Paul O. Young Co.
CARLTONITE, synthetic detergent laundry washing compound, Carlton Chemical Co., Inc.
CARMET, cemented carbide metal, Allegheny Ludlum Steel Corp.
CAR-NA-CRETE, rubber floor enamel, Continental Car-Na-Var Corp.
CAR-NA-LAC, self-polishing heavy-duty floor wax, Continental Car-Na-Var Corp.
CAR-NA-VAR, upholstery and carpet cleaning machine, liquid spirit wax requiring buffing, Continental Car-Na-Var Corp.
CAROUSEL, revolving changeable letter signs, Carousel Sign Co.
CAROVAN, truck bodies for use on Chevrolet or GMC chassis, Universal Body Sales, Inc.
CARRIER, industrial heating, refrigerator systems, Carrier Corp.
CARRY PACK HANDLES, shirt package or bachelor bundle carrying handle (gummed tape), Carry Pack Co., Ltd.
CARRY PACK TAPE, gummed tape for sealing, Carry Pack Co., Ltd.
CARSPUN, nylon press cloth, Carson Textile Co.
CASCADE, mechanical unloading washer, laundry washers, automatic washing control, American Laundry Machinery Co.
CASCADE, nets, H. Kohnstamm & Co., Inc.
CASCADEX, laundry washer-extractor, American Laundry Machinery Co.
CASH-ACME, valves, regulators, A. W. Cash Valve Mfg. Corp.
CASHMERE BOUQUET, soap, Colgate-Palmolive Co.
CASH'S, woven names, labels, markers, tape, J. & J. Cash, Inc.
CATERPILLAR, diesel engine, Caterpillar Tractor Co.
CAT TONGUE, press plate for wools, Bishop David Freeman Co.
CAU-FLAN, flannel cotton pads, X. S. Smith, Inc.
CAUSUL, metal gate valves and cocks, Lunkenheimer Co.
CEDAR SHIELDS, storage bags, paper, various grades and colors, Rassenfoss Bag Co., Inc.
CEGLIN, finish for textiles, Sylvania Industrial Corp.
CELANESE, dyes, American Aniline Products, Inc.
CELA-SOL, paint remover, National Cleaners Chemical Mfg. Co.
CELATINT, tints for acetate yarn, American Aniline Products, Inc.
CELITE, diatomite filter aids, Johns-Manville
CELLO-SAVER, tape sealing machine for cellophane tape, Time Savers, Inc.
CELLO-VU, cellophane bags, Time Savers, Inc.
CELEFORM, spotter, Keystone Aniline & Chemical Co., Inc.
CEMENTKOTE, heavy duty oil base cement paint, Tropical Paint & Oil Co.
CEN-TRA-VAC, centrifugal refrigeration compressor, Trane Co.
CENTURY, motors, generators, Century Electric Co.
CENTURY, synthetic drycleaning machine 70 to 100# per load, Vic Mfg. Co.
CENTURY BRAND, sodium perborate, Eaton Chemical & Dyestuff Co.
CEPI, water conditioning unit, Cepi-American, Inc.
CEPI AUTOMATIC, flow controls for water, Cepi-American, Inc.
CERTI-CIDE, demothing liquid, Certified Chemical & Equipment Co.
CERTIFIED, low-titer neutral soap flakes, Armour & Co.
CERTIFIED PILE BRUSH, nap and pile brush, Certified Chemical Equipment Co.
CERTIFIED SOLID, neutral solid pack crutcher soap, Armour & Co.
CERTIFIED SOUR, rust removing sour, Speedlite Chemicals Co., Div. Patek & Co.
CERTIFIED SUPERIOR, floor polishing machines, Certified Chemical & Equipment Co.
CERTI-FOAM, upholstery cleaner, Certified Chemical & Equipment Co.
CERTI-LAVE, non-rinse rug shampoo, Certified Chemical & Equipment Co.
CETIC-X SOUR, odorless liquid sour, Warco Laboratories, Inc.
C-50, drycleaning soap, Nu-Pro Mfg. Co.
CHACE, automatic washer valves, Chace Valve Div., American Laundry Machinery Co.
CHAINVEYOR, light capacity overhead power and manually operated conveyors, Chainveyor Corp.
CHALLENGE, automatic conveyor loader, Challenge Mfg. Co.
CHALLENGE-GRANTHAM, automatic tumbler, pre-conditions, fully dries, Challenge Mfg. Co.
CHALLENGER, all types fire extinguishers, American-La France-Foamite Corp.
CHALLENGER, nylon laundry nets, Whitehouse Nylon Products
CHALLENGER, stokers, Link-Belt Co.
CHAMBERS, laundry and drycleaning extractors, Chambers Extractor Co.
CHAMP CLEANER, fur cleaner, Nycco Products Co.
CHAMPION, automatic tying machine, cable cord, Thomaston Mills
CHAMPION, Monel press pad, Resillo Co.
CHAMPION, nylon net, Whitehouse Nylon Products
CHAMPION CASCADE, laundry washer, American Laundry Machinery Co.
CHANDLER, button, sewing, tailoring, darning and mending, cuff tacking, blind stitch, Chandler Machine Co.
CHANGE-O-MATIC, automatic work clothes dispenser, Change-O-Matic Corp.
CHARCOTE, neoprene rubber, coating rust inhibitor, Charleston Rubber Co.
CHARGAID, dry spotter for charge cleaning, Eaton Chemical & Dyestuff Co.
CHARGIT, drycleaning detergent with chlorophyll test kit, Nu-Pro Mfg. Corp.
CHASE, brass and copper products, Chase Brass & Copper Co.
CHASER, spot remover, Dello Products Co.
CHAT, detergent, General Aniline & Film Corp., Special Products Sales Div.
CHATILLON, scales, John Chatillon & Sons
CHEK-TAG, drycleaning identification system, Best Forms Co.
CHEK-WET, wet side water repellent, Caled Products Co., Inc.
CHEMKLOS, work clothing, Mine Safety Appliances Co.
CHEM-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
CHEMPUMP, centrifugal pump, Chempump Corp.
CHEM-WEAR, acid and caustic resistant work clothing, M. Setlow & Son, Inc
CHEVCO, belt cleaner, Samuel Chevlin Co., Inc.
CHEVROLET, motor trucks, Chevrolet Motor Div., General Motors Corp.
CHEVRON-TREDS, molded heavy duty rubber stair treads, American Floor Products Co.
CHEX, laundry mildewproofing agent, Cidex Corp.
CHIC, sizing for wetcleaning, Patek & Co.
CHICAGO, laundry machinery, Chicago Dryer Co.
CHICAGO CYCLE-MATIC, washers and extractors, Chicago Dryer Co.
CHICO, alkali soap builder, Wyandotte Chemicals Corp.
CHIEF, truck tires, Mohawk Rubber Co.
CHIEF COMMERCIAL, truck tires, Mohawk Rubber Co.
CHIEFTAN, nylon laundry net, Whitehouse Nylon Products
CHIEF 20, handkerchief ironer, Huebsch Div., American Laundry Machinery Co.
CHIEF 23, handkerchief, napkin ironer, Huebsch Div., American Laundry Machinery Co.
CHIFFON, miniature bar soap, Armour & Co.
CHILL-AIR, suitcase-window-exhaust, National Engineering & Mfg. Co.
CHINALINE, quick-drying enamel, Barreled Sunlight Paint Co.
CHLORESCO, bleach (calcium hypochlorite), Cowles Chemical Co.
CHLOR-O-CEL, sweetener, filter powder, Johns-Manville
CHLOR-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
CHLOROTHENE, degreasing solvent, Dow Chemical Co.
CHLOROWHITE, high phosphate laundry soap, New South Mfg. Co., Inc.
CHOCTAW, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
CHLORMALOX, electric heating equipment, Edwin L. Wiegand Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

CHROMASOID, anti-corrosion tank lining compound, Fred H. Schaub Engineering Co., Inc.
CHROME CONCRETE, chrome base refractory concrete, Mexico Refractories Co.
CHROMIX, refractory material, Quigley Co., Inc.
CHROMOTEX, rug cleaning detergent, Endriss Chemicals, Inc.
CHRYSLER-AIRTEMP, furnaces, boilers, heaters, stokers, Chrysler Corp., Airtemp Div.
CIDEX, mildew preventative, deodorant, mothproofing agent, Cidex Corp.
CIMATAG, printed tags and marking tags, Cincinnati Marking Tag & Supply Co.
CIMCO, cement applied to inner surface of tank, Ford Tank Maintenance Co.
CINCH, perspiration and grease spotter, Caled Products Co., Inc.
CINDY LOU, sleeve finisher, Wichita Precision Tool Co., Inc.
CINO, carpet, laundry and drycleaning tags, black marking ink, Fleischer Mills, Inc.
CISSELL, boards, boiler feeds, boiler return systems, cuff brusher, driers, drycleaning and laundry tumblers, garment conditioners and sleeve finisher, irons, spotting units and boards, spray guns, W. M. Cissell Mfg. Co., Inc.
CLAIM-SAVER, F. W. I. bundle separators, F. H. Bonn Co.
CLAIRANESE, cover cloth, Lewis National Corp.
CLARCO, unit heaters, Clarage Fan Co.
CLARK 60, traps, valves, Clark Mfg. Co.
CLARKE, floor maintainers, rug shampoo machines, heavy duty, Clarke Floor Machine Co.
CLAYBRITE, machine clay coated paperboard, Cornell Paperboard Products Co.
CLAYTON, steam generatoors, feed water pump, water heater, Clayton Mfg. Co.
CLEAN CHARGE, drycleaning detergent, charge system, Davies-Young Soap Co.
CLEANCUT, pinkers, Maxant Button & Supply Co.
CLEANSER 600, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
CLEANSERTAG, marking tag material, Hollingsworth & Vose Co.
CLEANWELL, promoted synthetic detergent, Speedlite Chemicals Co., Div. Patek & Co.
CLEARSIZE, laundry starch, National Starch Products, Inc.
CLEARTEX, laundry starch, National Starch Products, Inc.
CLEAR-VIEW, boxes, bags and cellophane products, Clear View Packaging Co.
CLEAVER-BROOKS, steam generators, boilers, Cleaver-Brooks Co.
CLENA-FORM NO. 2, cleaner, polisher and lubricator for shirt units and body presses, College Chemical Co.
CLEVELAND, rug and laundry machinery, Cleveland Rug Cleaning Machinery Co.
CLIMAX, overall marking tags, Risdon Mfg. Co.
CLINTON, laundry starches, Clinton Corn Processing Co.
CLINTON, rug sizing, Clinton Foods Inc.
CLINTON 51, thick boiling starch, Clinton Foods Inc.
CLIP-A-TAPE, gummed-tape dispenser, Ideal Stencil Machine Co.
CLIPPER, belt-lacing equipment, belt cutters and fasteners, Clipper Belt Lacer Co.
CLIPPER, wire lacing, belt lacers, belt cutters, I. B. Williams & Sons
CLIX, belt organizer, Time Savers, Inc.
CLO-DEO, freshener, Fumol Corp.
CLOMAK, balanced detergent, Wyandotte Chemicals Corp., J. B. Ford Div.
CLOPAY, hanger protectors, dress guards, Clopay Corp.
CLOPAY SANITEX, garment storage bags, Clopay Corp.
CLORAFIN, chlorinated paraffin, Hercules Powder Co.
CLOREZE, organic-type bleach, Pennsalt Chemicals Corp.
CLOROSHEEN, drycleaning detergent, Riverside Mfg. Co.
CLOTHES-A-CLEAN, combination washer-extractor, laundry washer, rinsing extractor, Forse Corp.
COAGULATOR, rapid combination mixing chamber and settling basin, Hungerford & Terry, Inc.
COAL-CHUTER, belt conveyors, New London Engineering Co.
COATES, electric boiler, Coates Electric Mfg. Co.
COAT RETAINER, prevents sagging, holds lapels in place, Coat Retainer Co.
COAT-SEAL, interior wall coating, Steelcote Mfg. Co.
COBECO, leather belting, cement, Cornell Belting Co.
COCHECO, flat leather belting, belt cement, I. B. Williams & Sons
COCHIN SEB, solvent and synthetic wetting agent, E. F. Drew & Co., Inc.
COCHRANE, steam power plant equipment, Cochrane Corp.
COCOANUT OIL, paste soap, National Cleaners Chemical Mfg. Co.
COCOGEL, wetcleaning soap, E. F. Drew & Co., Inc.
COCOZOP, coconut oil, wetcleaning paste soap, Package Chemical Co., Inc.
CODE 166, chlorinated solvent dry cleaning, Davies-Young Soap Co.
COLCOT, press padding flannel, Southern Mills, Inc.
COLDSPRAY, built soap for cool-water washing, Beach Soap Co.
COLDWATER NAPTEX, laundry soap, E. F. Drew & Co., Inc.
COLD WATER OZONITE, cold-water soap, Procter & Gamble Distributing Co.
COLD WATER SOL SUDS, soap, Lewis National Corp.
COLE, leather and suede cleaners and dyers, Cole Leather Cleaners of America
COLESCO, complete low foaming synthetic detergent, Cowles Chemical Co.
COLGATE CONCENTRATED, liquid soap, Colgate-Palmolive Co.
COLGATE FORMULA 20, 25, 40, neutral soap flakes and granulated built soap, Colgate-Palmolive Co.
COLGATE LOW FOAM, detergent, Colgate-Palmolive Co.
COLGATE WHITE, flake and granulated neutral white soap, Colgate-Palmolive Co.
COLLARIGHT, collar ironer, shirt-folding machine, Key-Tag Checking System Co.
COLLA-RITES, collar supports, M. H. Gronauer Co.
COLLARMASTER, collar pressing machine, W. H. Nicholson & Co.
COLOR BRITE, soap, Lewis National Corp.
COLORBRITE, rug and upholstery cleaner, Edelmuth Mfg. Chemists
COLOREX, stripping agent, Stauffer Chemical Co.
COLORFIXE, sour, H. Kohnstamm & Co., Inc.
COLORFLEX, leather dyes and top finish, Eaton Chemical & Dyestuff Co.
COLOR-GO, powdered stripping agent, A. L. Wilson Chemical Co.
COLOR KEEP, fixitive for dye, North American Dye Corp.
COLORLUME, drycleaning soap, Fry Bros. Co.
COLORSOUT, powder color stripper, Washine National Sands, Inc.
COLOR SPARK, break powders, Wyandotte Chemicals Corp.
COLORSUDS, low-temperature soap, H. Kohnstamm & Co., Inc.
COLORTOP, plug fuses, Trico Fuse Mfg. Co.
COLOR VERSE, stain-a-way, Warco Laboratories, Inc.
COLOVOLT, fluorescent lamps, fixtures, General Luminescent Corp.
COLSON, wheels, casters, trucks, Colson Corp.
COLTEX, cold-water soap, medium pH, E. F. Drew & Co., Inc.
COLUMBIA, activated carbon, Union Carbide Chemicals Co.
COLUMBIA, blindstitch machines, Columbia Sewing Machine Corp.
COLUMBIA, high pressure steel boilers, Columbia Boiler Co. of Pottstown
COLUMBIA, drycleaning extractors, used and rebuilt machinery, puff irons, valves, Columbia Laundry Machinery Co.
COLUMBIA, drycleaning unit, solvent saver, Columbia Appliance Corp.
COLUMBIA BF, puff iron, Columbia Laundry Machinery Co.
COLUMBIA GEM, extractor, Columbia Laundry Machinery Co.
COLUMBIA-SOUTHERN, detergents, chemicals, Columbia-Southern Chemical Corp.
COMBATT-C, corrosion preventative, Adrian Research & Chemical Co.
COMBINATION, cellophane bags for shirts and sweaters, Clear-View Packaging Co.
COMBINATION OFFSET, silk finishing press, Excelsior Machinery Co.
COMBINER CLIPS, assembling clips, Larton Products Co., Inc.
COMBINETS, laundry nets and fabrics, Davis Mills, Inc.
COMBINO, padding for flatwork ironers, net, Tingue, Brown & Co.
COMBO, combination checking desk, bag storage unit and garment bagger, Rodin Machinery Co., Div. Rodin Bros.
COMBUSTIONEER, automatic coal burner, humidifiers, Steel Products Engineering Co.
COMBY-R, laundry nets, Davis Mills, Inc.
COMET, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
COMET, extractors, Hammond Laundry-Cleaning Machinery Co.
COMET, nylon nets, Gibraltar Fabrics, Inc.
COMET, shirt finishing unit, Unipress Co., Inc.
COMET, washing machine, metal, laundry, Henrici Laundry Machinery Co.
COMMANDER, steel framed platform hand trucks, Fairbanks Co.
COMMERCIAL, soap, Rome Soap Mfg. Co.
COMPACT, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
COM-PAT, soluble fine granular bleach, Martens Chemical Corp.
COMPLETE, laundry soaps, Fry Bros. Co.
COMPINO, cotton nets, Tingue, Brown & Co.
COMPO, fiber marking tags, Fleicher Mills, Inc.
COMPO, marking tags, U. S. Marking Tag Co.
COMPOUND 40, general formula spotter, Keystone Aniline & Chemical Co., Inc.
CONCENTRATE 1960, batch system detergent concentrate, Lustrol Chemicals Products, Div. Patek & Co.
CONCO, stokers, Conco Engineering Works, Div. H. D. Conkey & Co.
CONDOR, belts, Revolite Div., Raybestos-Manhattan, Inc.
CONCORD, wax emulsions, Concord Chemical Co., Inc.
CONDO-VAC, return-line vacuum pumps for heating systems, Chicago Pump Co.
CON-D-TEX, mothproofing agent, Research Laboratories Corp.
CONDUCTIVITY CONTROL, moisture control for charge system, R. R. Street & Co., Inc.
CONE, towels, diapers and gabardine twill, Cone Mills Inc.
CON-SECU-TAG, identification systems, invoice, combination, marking, and printed tags, Liberty Marking Tag Co., Inc.
CONSEC-U-VEYOR, call office conveyors, garments, White Machine Co., Inc.
CONSTELLATION, 2- and 3-girl shirt finishing units, Unipress Co., Inc.
CONTINENTAL AUTOMATIC BOILER, steam generators and packaged boilers, Boiler Engineering & Supply Co., Inc.
CONTINENTAL 18, self-polishing heavy-duty liquid floor wax, Continental Car-Na-Var Corp.
CONTINUOUS FLOW, washer, Bill Glover, Inc.
CONTIN-U-RAIL, rail parts and fittings for speed rail, White Machine Co., Inc.
CONTIN-U-VEYOR, mechanized garment hanger and trolley conveyor, White Machine Co., Inc.
CONVAIR, converts foot press into air-operated press, New York Pressing Machinery Corp.
CONVENTIONAL, asbestos F. W. I. padding, Gibraltar Fabrics, Inc.
CONVEY-MASTER, call office conveyor, Forse Corp.
COOK EXTRACTOR, extractors, laundry, Cook Machinery Mfg. Co., Inc.
COOK WASHETTE, open end washer, Cook Machinery Co., Inc.
COOLAIR, fans, ventilating systems, American Coolair Corp.
COOLIDGE, pad savers, Ink-O Products Co.
COOLIDGE GRID, press pad, John E. Coolidge Co.
COOPER, pressing stands, bucks, tables, iron carriers, H. P. Cooper & Co.
COOPER-BESSEMER, compressors, diesel and gas engines, Cooper-Bessemer Corp.
COORDINATED PROCESS CONTROL, automatic control, Bristol Co.
COPALITE, interior varnish, Barreled Sunlight Paint Co.
COPR-TUBE, copper tube fittings, Dresser Mfg. Div., Dresser Industries, Inc.
CORONET, synthetic solvent drycleaning unit, Detrex Chemical Industries, Inc.
CORRUFLEX, expansion joint, American District Steam Co., Inc.
COST CUTTER CONVEYOR, belt conveyors, New London Engineering Co.
COTTAGE, steel direct-fired water heater, oil-gas, Kewanee Boiler Corp.
COTTONBLOSSOM, flatwork ironer padding and canvas baskets, Southern Mills, Inc.
COUNTERBOY, carton and package taping machine, Better Packages, Inc.
COUNTERFLOW, automatic 10-washer counterflow laundering unit, International Laundry Equipment Co.
COUNTERVEYOR, counting conveyor, Leebaw Mfg. Co.
COVCO, poster frames, Coventry Products Co., Inc.
COV-EEZ, garment hanger shields, Larton Products Co., Inc.
COVERDUX, cotton roll covers, Tingue, Brown & Co.
C.P.C. COLLAR FORM R, heated collar shaping block assembly, Time Savers, Inc.
C.P.C. STAIZ, collar support for flat collar, Time Savers, Inc.
CRANE, plumbing fixtures, Crane Co.
CRAVA-KLEEN, detergents, Cravenette Co., U. S. A.
CRAVACO, finishing compounds, Cravenette Co., U. S. A.
CRAVASET, drycleaning sizing and finishing agent, Cravenette Co., U. S. A.
CRAVENETTE, water repellent, Cravenette Co., U. S. A.
CREAM FINISH, starch lubricant, Lewis National Corp.
CRESCENT, belt fasteners, plates, rivets, rivet extractors, Crescent Belt Fastener Co.
CRESCENT, laundry chemical specialty items, Hood Chemical Co., Inc., Crescent Div.
CRESCENT, try-cocks, Wright-Austin Co.
CREST, nylon laundry and dacron nets, Fablok Mills, Inc.
CREST, starch, A. E. Staley Mfg. Co.
CRESTEX, sour, Hood Chemical Co., Inc., Crescent Div.
CRISP, water soluble sizing, Stamford Chemical Co.
CROSBY, gauges, valves, Crosby Steam Gauge & Valve Co.
CROWN, electric-steam irons, steam generators, electric irons, Crown Mfg. Co.
CROWN, laundry nets, Davis Mills Inc.
CROWN, starch, A. E. Staley Mfg. Co.
CRUCAST, steel castings, Crucible Steel Co. of America
CRUCIBLE, stainless steel laundry equipment, Crucible Steel Co. of America
CRUSADER, nets, cover cloth, double-face flannel, cover duck, Egan Cotton Mills
CRUSCA, drill steel, Crucible Steel Co. of America
CRYSTAL VICTOR, laundry starch, Keever Starch Co.
CRYSTAMET, pentahydrate sodium metasilicate, Cowles Chemical Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

C/S DETERGENT, charged system detergent, Adrian Research & Chemical Co.
CUB JR., steam trap, Wright-Austin Co.
CUFF BRUSHER, rotary cuff cleaner, Excelsior Machinery Co.
CUFF RITE, french cuff folding unit, floor and table top unit, Twin City Machinery Co.
CUFF TACKER, sewing machine, Chandler Machine Co.
CULLIGAN, water softening and conditioning equipment, Culligan, Inc.
CUMMINGS-LANDAU, laundry equipment, Cummings-Landau Laundry Machinery Co., Inc.
CURE-CRETE, concrete curing agent, The Peters Co., Div, Toledo Paint & Chemical Co.
CURRY, feed ribbons, J. W. Curry Co.
CURTIS, air conditioners, compressors, condensers, hoist tanks, Curtis Mfg. Co.
CUSHNTOP, buk-cover and buk-pad set, Bishop David Freeman Co.
CUSTOM, electric steam generators, Custom Engineering Co.
CUSTOM, shoulder finisher and shaper, Hopkins Equipment Co
CUSTOM-AIR, large building heating and cooling equipment, Trane Co.
CUTLER-HAMMER, electrical equipment, motor control, Cutler-Hammer, Inc.
CYANEGG, sodium cyanide, E. I. du Pont de Nemours & Co., Inc.
CYCLAMATIC, laundry washer control, American Laundry Machinery Co.
CYCLO, heavy prespotter, R. R. Street & Co., Inc.
CYCLONE, exhaust head, Wright-Austin Co.
CYCLONE, hand power hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
CYCLONE, washer, Henrici Laundry Machinery Co.
CYCLONE CONVEYORS, pneumatic conveyors, Eastern Cyclone Conveyor Systems, Inc.
CYCLONE COUNTING MACHINES, automatic counters for towels, diapers, etc., Eastern Cyclone Systems, Inc.
CYCLOPS, needle bearing, Roller Bearing Co. of America
CYCLO "S," soapless prespotter, R. R. Street & Co., Inc.
CYCLOTHERM GENERATORS, package type boiler, hot water generators, Cyclotherm Div., National U. S. Radiator Corp.
CYLON, wetcleaning detergent, Patek & Co.

D

D & R CONTROLS, time & temperature tumbler controls, D. & R. Controls
DCT, drycleaning tumblers, Western Laundry Machinery Co.
DA-CO, chemicals, cleaners, Davis-Weil Mfg. Co.
DACROTEX, dacron ironer cover cloth, X. S. Smith, Inc.
DAHLBERG, speed-rail equipment and parts, automatic overhead screw conveyor, storage racks, Dahlberg Machinery Co.
DAILY DELIVERY, marking tags, Pittsburgh Tag Co.
DAINTEX, wetting agent, Hercules Powder Co.
DAMASCITE, ferrous-base machine parts, Amplex Div., Chrysler Corp.
DAMIT, pipe joint compound, Quigley Co., Inc.
DAMP-TEX, enamel, Steelcote Mfg. Co.
DANDUX, canvas baskets, hampers, bags, trucks, C. R. Daniels, Inc.
DANTEX, canvas baskets, hampers, bags, trucks, C. R. Daniels, Inc.
DARCO DC, activated carbon, Atlas Powder Co.
DARNELL, wheels, casters, gliders, rubber bumpers, Darnell Corp., Ltd.
DATERETTE, dating machine, American Numbering Machine Co.
DATEX, dacron F. W. I. cover, Gibraltar Fabrics, Inc.
DAVIS, controls, regulators, valves, Davis Regulator Co.
DAVIS, first-aid and emergency equipment, Davis Emergency Equipment Co., Inc.
DAVIS FABRIC RENEWING PLATE, press plate, Bishop David Freeman Co.
DAVIS, overall tags, Keyes-Davis Co.
DAVIS, shirt unit, Prosperity Co., Div. Ward Industries Corp.
DAVIS NETS, laundry nets, Davis Mills Inc.
DAVIS OVERALL TAG, brass permanent marker, Keyes-Davis Co.
DAVIS TAG, permanent overall marker, Keyes-Davis Co.
DAVIS Z, laundry net, Davis Mills Inc.
DAVOTEX, leather cleaning and redyeing, C. O. D. Cleaning & Dyeing Co.
DAY-SOL, chlorinated solvent drycleaning soap, Davies-Young Soap Co.
DC-15, size for synthetics, for drycleaners, Keever Starch Co.
DC FILTROL, absorbent filler powder, Filtrol Corp.
DCT-54, dry cleaning tumbler, Western Laundry Machinery Co.
DEAN HILL, centrifugal industrial power pumps, steam turbines, Dean Hill Pump Co.
DECAL, water softener, Washine Chemical Corp.
DECALCOMANIA, truck lettering, pictorials, nameplates, window signs and valances, Meyercord Co.
DEENATE, insecticide, E. I. du Pont de Nemours & Co., Inc.
DEFENDER, regulators, recording instruments, Defender Instrument & Regulator Co.
DEFENDER, steel pins, safety pins, hanger assembly clips, Oakville Co. Div., Scoville Mfg. Co.
DEFLOC, laundry detergent, Cowles Chemical Co.
DEHYDRATINE 2A, water repellent, A. C. Horn Co., Inc.
DEKALB, truck bodies, delivery, DeKalb Commercial Body Corp.
DELIBLE, ink remover, Warco Laboratories, Inc.
DE-LIMER, lime solvent, E. F. Drew & Co., Inc.
D-LINTER, static grounding device, Wichita Precision Tool Co., Inc.
DELIVERY PANEL BODIES, delivery truck bodies for chassis with Cowl motor truck, Boyertown Auto Body Works
DELIVR-ALL, delivery truck, Marmon-Herrington Co., Inc.
DELLOSOAP, drycleaning soap, Dello Products Co.
DELUXE, sizing, Huron Milling Co.
DELUXE, asbestos press covering, F. H. Bonn Co.
DE LUXE, uniforms, Shane Uniform Co., Inc.
DELUXE MIRZA, automatic rug cleaning machine, American Laundry Machinery Co.
DE LUXE STRING, cord, Milwaukee Printed String Co.
DEMING, pumps, Deming Co.
DEMOTHOL, mothproofing agent, Signal Chemical Mfg. Co., Inc.
DENOMINATOR, tabulating machines, Denominator Company, Inc.
DEODOR, deodorant, Patek & Co.
DEODORIZED APCO 125, drycleaning naphtha, Anderson-Prichard Oil Corp.
DESOIL, break powder, Cowles Chemical Co.
DE SOLV, oil, paint and grease spotter, Benda Products, Inc.
DESTAINER, penetrating soap, A. L. Wilson Chemical Co.
D'ESTE, automatic regulating valves, strainers, etc., D'Este Div., Kaye & MacDonald, Inc.
DETECTO, scales, Detecto Scales, Inc.
DETERGENT N, drycleaning soap, Allen & Vickers, Inc.
DETERGEX, wetcleaning detergent, Dixo Co.
DETERSYN, detergent for use with chlorinated solvents, Riverside Mfg. Co.
DETEX, watchmen's clocks, Detex Watchclock Corp.
DETREX, drycleaning equipment, B. & G. call office conveyors, baggers, Detrex Chemical Industries, Inc.
DETROIT, belt lacers, belt cutters, Detroit Belt Lacer Co.
DETROIT, valves, W. M. Chase Co.
DEVILBISS, compressors, spray guns, hose, DeVilbiss Co
DEWEY-SHEPARD, gas and oil fired boilers and water heaters, base-panel radiation, winter-summer air conditioner, Dewey-Shepard Boiler Co.
DEX, antiseptic agent, Signal Chemical Mfg. Co., Inc.
DEXBEST, dacron ironer cover, Whitehouse Nylon Products
DEXCO, dacron flatwork ironer cover, Whitehouse Nylon Products
DEX-KNIT, dacron laundry net, Whitehouse Nylon Products
DEXTAPE, flatwork ironer tape, Whitehouse Nylon Products
DIAL, miniature bar soap, Armour & Co.
DIAL-A-MATIC CONVEYORS, laundry and drycleaning call office conveyors, Detrex Chemical Industries, Inc.
DIAL-MASTER, automatic washer control, Norman Control Co.
DIAL-O-TIMER, laundry formula timer, Norman Control Co.
DIAL-TROL, call counter conveyor control, National Marking Machine Co.
DIAMO, stripper, stain remover, Lewis National Corp.
DIAMOND, ball, revolving and swing joints, Diamond Metal Products Co.
DIAMOND, chains, couplings, Diamond Chain Co., Inc.
DIAMOND, knitted nylon nets, Whitehouse Nylon Products
DIAMOND, water-treatment compounds, Oshkosh Filter & Softener Co.
DIAMOND, wire garment hanger, Diamond Wire Hanger Co.
DIAMOND ALKALI, laundry chemicals, Diamond Alkali Co.
DIAMOND BLUE G, laundry bluing, Diamond Alkali Co.
DIAMOND CHAMPION, nylon laundry net, Whitehouse Nylon Products
DIAMOND LIQUID BLUE R, laundry bluing, Diamond Alkali Co.
DIAMOND DRYCLEANER, chlorinated cleaning solvent, Diamond Alkali Co.
DIAMOND O & W COMPOUND, detergent, Diamond Alkali Co.
DIAMOND PERCHLORETHYLENE, synthetic drycleaning solvent, Diamond Alkali Co.
DIAMOND T, motor trucks, Diamond T Motor Car Co.
DIAMOND TAG, identification system, Dillard Paper Co.
DIAMOND "W," laundry soaps, Los Angeles Soap Co.
DI-AQUA, synthetic drycleaning solvent, Diamond Alkali Co.
DIASAN, diaper sanitizer, H. Kohnstamm & Co., Inc.
DIAZOCEL, for dyeing Celanese and acetate silks, American Aniline Products, Inc.
DIAZYME, enzymic digester, Jacques Wolf & Co.
DICALITE 7, filter powder, Dicalite Dept., Great Lakes Carbon Corp.
DICALITE SPEEDPLUS, straight diatomite filter powder, Dicalite Dept., Great Lakes Carbon Corp.
DICALITE SWEETENER, sweetener, filter powder, Dicalite Dept., Great Lakes Carbon Corp.
DIEHL, electric motors, fans, Diehl Manufacturing Co., Div. Singer Mfg. Co.
DI/EN, digester, John P. Lynch Co.
DIGESTALL, digestive agents, Package Chemical Co., Inc.
DIGESTEX, fortified enzymic digester, Lustrol Drycleaning Products, Div. Patek & Co.
DIGESTIT, enzymic digester, Riverside Mfg. Co.
DIPCRAFT, advertising balloons, Dipcraft Mfg. Co.
DIPLOMAT, synthetic solvent drycleaning unit, Detrex Chemical Industries, Inc.
DIP-O-MATIC, water repellent dip tank, Hopkins Equipment Co.
DIRTEX, IMPROVED, break compound, Patek & Co.
DI-SAN, liquid disinfectant, Tower Chemicals, Inc.
DISAPPERO, spotting compound, Fry Bros. Co.
DISCOVERY, handkerchief fluffer, Huebsch Originators, Div. American Laundry Machinery Co.
DI-SOLVENT, diluent for leather dyes, Nu-Pro Mfg. Co.
DISPERSO, silk and wool drycleaning soap, Spix Products Co.
DIS-PER-SOL, break powder, Thompson-Hayward Chemical Co.
DISPLAY-IT, shirt display cases, Time Savers, Inc.
DISTILLENE, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
DIVCO "DIVIDEND SERIES," trucks, Divco Corp.
DIVCO MULTISTOP, delivery vehicles, Divco Corp.
DIVERTI-FLO, automatic air controls, Manitowoc Engineering Co.
DIVIDEND SERIES, delivery truck, Divco Corp.
DIX-E-HOLD, hangers, Marion Mfg. Co.
DIXIE, aprons, Minnesota Chemical Co.
DIXIE, laundry nets, Southern Mills, Inc.
DIXIE, tags, tapes, trouser guards, collar supports, Dixie Hanger Co.
DIXO, detergents, drycleaning soaps, grease, oil and paint remover, wetcleaning soap, Dixo Co.
DIXON STEAM KING, Scotch marine boiler, Dixon Boiler Works
DIXON WATERFALL, Scotch marine boiler, Dixon Boiler Works
DIXOTEX, wet or dry spotter, Dixo Co.
DIZOLV-IT, oil remover, Kliegman Bros., Inc.
DO-ALL, built anionic, synthetic detergent, Armour & Co., Industrial Soap Dept.
DOBBY, mothproofing concentrate, Jay-Dee, Inc., Mfg. Chemists
DOCTOR BOILER, boiler water treatment compound, Doctor Boiler, Inc.
DOCTOR SPOTGESTER, prespotter, Dello Products Co.
DODGE POWER GIANTS, motor trucks, Dodge Div., Chrysler Corp.
DODSON, business insurance, Bruce Dodson & Co.
DOG TEX, treatment for cat and dog stains, Hild Floor Machine Co.
D-1, controlled suds, Reslabs, Inc., Div. Linco Products Corp.
DORAN, hat machinery, Hatters Supply House, Inc.
DOR TU DOR, Ford house to house delivery bodies, Universal Sales Inc.
DOUBLE CHECK, zeolite water softener, Elgin Softener Corp.
DOUBLE DUTY SOUR, sour and blue combination, Diamond Alkali Co.
DOUBLE-VALVE, blanket brusher, American Laundry Machinery Co.
DOUBLEWEAR, apron duck, cover cloth, nets, Lewis National Corp.
DOUBLE WING, collar support, Empire Cardboard Corp.
DOUGLAS, corn starch, thin boiling starch, Penick & Ford Ltd., Inc.
DOVER DYPERCAN, deodorized diaper container, Dover Stamping Co.
DOWCLENE, synthetic cleaning solvent, Dow Chemical Co.
DOWEX RESIN, water softening equipment, Dow Chemical Co.
DOWFUME V, fumigant, Dow Chemical Co.
DOWNY DIPE, textile softener liquid with germicidal agent for diapers, Marlyn Chemical Co., Inc.
DOW-PER, synthetic solvent, perchlorethylene, Dow Chemical Co.
DRAIN-DRI, cellar drainers, Yeomans Bros. Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

DRAINTROL, condensation drainage device, Fred H. Schaub Engineering Co., Inc.
DRAPER-EZE, blanket and drapery steam-air finisher, Draper-Eze Equipment Co.
DRAPER-FORM, drapery steam finisher, Garment Finishing Equipment Co.
DRES'N'SPORT, dress and sport shirt folding machine, Bishop David Freeman Co.
DRESSER, clamps, couplings, fittings, Dresser Mfg. Div., Dresser Industries, Inc.
DREST, paste type leather finisher, Caled Products Co., Inc.
DREW, ironer oil, E. F. Drew & Co., Inc.
DREW 90 PLUS POWDER, soap plus medium pH alkali builder and water conditioner, E. F. Drew & Co., Inc.
DREX-KLEEN, trichlorethylene solvent, Detrex Chemical Industries, Inc.
DRI-BORD, steam-heated press boards, Kisco Boiler & Engineering Co.
DRI-BRITE GLOSS, fur luster, Nycco Products Co.
DRI-CLOR, dry powdered laundry bleach, Pennsalt Chemicals Corp.
DRICO, air cleaners, filters, separators, strainers, Drico Industrial Corp.
DRIEX, water-soluble water repellent, Keystone Aniline & Chemical Co., Inc.
DRI-FLO DIPIT, indelible laundry and drycleaning marking set, Dri-Flo Mfg. Co.
DRI-HAND, dampener and moisture regulator, J. W. Steele & Co.
DRI-RINSE, drycleaners' sour, Johnson Chemical Industries, Inc.
DRISEAL, shirt bands, Driseal Co.
DRI-SHEEN, alkaline detergent, Adco, Inc.
DRI-SHEEN PROCESS, charged system method of cleaning, Adco, Inc.
DRISIZE, synthetic resin sizing for use in petroleum solvent, Eaton Chemical & Dyestuff Co.
DRI SPOT, volatile dry spotter, Coastal Chemical Corp.
DRI-STEAM, air cleaners, filters, separators, strainers, valves, Drico Industrial Corp.
DRISUDZ, laundry alkaline soap, Cowles Chemical Co.
DRISYN, drycleaning detergent, E. F. Drew & Co., Inc.
DRI-TEX, drycleaning detergents, Spix Products Co.
DRITHERM, infra-red heat lamps, North American Electric Lamp Co.
DRI-TOP, ironing board, Bishop David Freeman Co.
DRI-TRI, anhydrous trisodium, A. R. Maas Chemical Co., Div. Victor Chemical Works
DRI-VAC, vacuum system, presses, Rema Corp.
DRO-GO, spotting agent, A. L. Wilson Chemical Co.
DROP-A-NUF, lubricant and spotting additive, Warco Laboratories
DR. SPOTGESTER, prespotter, Dello Products Co.
DRUCLOR, powdered hypochlorite bleach, E. F. Drew & Co., Inc.
DRUM MASTER, fur cleaning drums, Walter Haertel Co.
DRUMMOND, soaps, oils, detergents, Standard Soap Co., Div. Concord Chemical Co., Inc.
DRUSOAP H, high-titer neutral soap, E. F. Drew & Co., Inc.
DRUSOAP P, high-titer 98% neutral soap, E. F. Drew & Co., Inc.
DRUZOL, heavy-duty detergent, E. F. Drew & Co., Inc.
DRY BRIGHT, liquid wax for floors, Riverside Chemical Co.
DRY-CAL-SIZE, liquid sizing for solvent sizing, Caled Products Co., Inc.
DRY CHEMICAL, fire extinguishers, American-La France-Foamite Corp.
DRY CHLORESCO, double action bleach, Cowles Chemical Co.
DRYCLEAN, spot remover, E. I. du Pont de Nemours & Co., Inc.
DRYCO, spotting units, finishing equipment and steam condensers, Bishop David Freeman Co.
DRYCOMATIC, steam-electric iron, Bishop David Freeman Co.
DRYCON, dry size, Wallerstein Co., Inc.
DRYER, by COOK, laundry tumbler, Cook Machinery Co., Inc.
DRYERETTE, laundry tumbler, gas, steam or electric, Hoyt Mfg. Corp.
DRYERETTE, JR, driers, gas, electric or steam, Hoyt Mfg. Corp.
DRYETTE, water repellent, Cravenette Co., U. S. A.
DRY-EX, coolers, air, oil, water, Acme Industries, Inc.
DRY EXSIZE-T, desizing agent for removal of starch-base sizes, Pabst Brewing Co., Industrial Products Div.
DRYGESTER, dry spotter, Smith Bros. Co.
DRY MASTER, clothes tumbler, National Dryer Mfg. Co.
DRYMASTER, drying cabinets, Hopkins Equipment Co.
DRYMET, anhydrous sodium metasilicate, Cowles Chemical Co.
DRY-O-MATIC, signal and alarm control for tumblers, Rosenthal Mfg. Co.
DRYORTH, anhydrous sodium orthosilicate, Cowles Chemical Co.
DRY-O-WET, spot remover, Slater-Robbins Co., Inc.
DRYSEQ, anhydrous sodium sesquisilicate, Cowles Chemical Co.
DRYSET, air vacuum systems, Lamson Corp., Blower Div.
DRY-SIZE, dry size, R. R. Street & Co., Inc.
DRY SPOTTER, volatile grease and paint remover, Lustrol Drycleaning Products, Div. Patek & Co.
DUAL, steam traps, American District Steam Co., Inc.
DUALCRAFT, press pads, Padcraft Corp.
DUAL-DUTY TAG-O-LECTRIC, tag-marking and attaching machine, Textile Marking Machine Co., Inc.
DUAL FILM-a-RECORD, micro-filming machine, Remington Rand, Inc.
DUAL STAY, collar supports and protectors, Phoenix Products Co.
DUBL-DUX, dry water repellent, Eaton Chemical-Dyestuff Co.
DUBLECOTE MULTI-SHINGLES, asphalt roofing shingles, Barrett Div., Allied Chemical & Dye Corp.
DUBLIFE, replacements for collars, cuffs, neckbands and trouser pockets, Dublife Collar Co.
DUCO, finishes, E. I du Pont de Nemours & Co., Inc.
DUFFEL, laundry nets, Southern Mills, Inc.
DUKE, trouser guards, suit, dress and drape hangers, Pittsburgh Hanger Co., Inc.
DU-LITE, enamel gloss white, E. I. du Pont de Nemours & Co., Inc.
DUNAWAY, digesters; spotting agents and removers; drycleaning soaps, H. D. Dunaway and Co.
DUO, doublewing collar support, Time Savers, Inc.
DUO-DRI, twin dryers, gas or steam, Hoyt Mfg. Co.
DUO-FLO, pressure filter, Morey Seldin Machinery Corp.
DUO-MATIC, washers and extractors, Prosperity Co., Div. Ward Industries Corp.
DUO-NYL, nylon expander pad covers, F. H. Bonn Co.
DU-OP, limit switches, General Control Co.
DUO-TEX CONC, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
DUO-WHITE, powdered bleach, Duo-White Co.
DUO WHITE BLEACH, powdered form in individual envelopes, Keleen Chemical Corp.
DUPLEX, shirt transporter, Time Savers, Inc.
DUPLEX, vacuum cleaner, General Electric Co.
DUPLEX-SLEEVE, expansion joint, American District Steam Co., Inc.
DUPONOL, fatty alcohol sodium sulfate, E. I. du Pont de Nemours & Co., Inc.
DURABILT, laundry and drycleaning washer, Gardner Machinery Corp.
DURACAL, covers and padding combinations, Patek & Co.
DURAFLEX, stokers, Canton Stoker Corp.
DURAVAN, truck bodies for use on Dodge trucks, Universal Body Sales, Inc.
DURO, blow-off valve, Lunkenheimer Co.
DURO, press covers, R. Lally Co.
DUROIL, fiber sheet packing, Raybestos-Manhattan, Inc.
DURONITE 200, textile flame retardant on dry side, Signal Chemical Mfg. Co.
DUROTEX, press covers, R. Lally Co.
DUST-PROOF, sweeping compound for floors, Riverside Chemical Co.
DUST STOP, air filters, Owens-Corning Fiberglas Corp.
DUTCH BRAND, adhesive cements and tapes; rubber products, Johns-Manville
DUTCH-MILL, diaper and diaper can deodorants, Van Chemical Co.
DU-TEX, stain remover, Warco Laboratories, Inc.
DUTTON, boilers, pumps, Hapman-Dutton Co.
DUX COTE, water repellent, Eaton Chemical & Dyestuff Co.
DUX-IT, solvent-soluble water repellent, Keystone Aniline & Chemical Co., Inc.
DWYER, gauges, indicators, meters, F. W. Dwyer Mfg. Co.
DYCO-SIZE, garment retexturing compound, Davies-Young Soap Co.
DYDROSITE, stripping agent, Nu-Pro Mfg. Co.
DYE PADS, pads for "spot dyeing," Caled Products Co., Inc.
DYEPEN, Eaton Chemical & Dyestuff Co.
DYNAHUE, colored laundry detergent, Pennsalt Chemicals Corp.
DYNA-MATIC, open-end washer, Hammond Laundry-Cleaning Machinery Co.
DYNAMIC DUMPER, unloading washer, Miller Laundry Machinery Co.
DYNASOPE, concentrate, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.
DYNEL, Union Carbide Chemicals Co., Div. Union Carbide Corp.
DYO-FLEX, dyes, finishes for leather, Dyo Chemical Co.
DY-100, liquid drycleaning soap, Davies-Young Soap Co.
DYPERCAN, sanitary diaper cans, Dover Stamping Co.
DYSCO, wetcleaning silk and wool soap, Davies-Young Soap Co.
DYSOLVO, soap, Davies-Young Soap Co.
DY-SULPH, synthetic wetcleaner, Davies-Young Soap Co.
DYTINT BLUE, bluing for use in washing machines, North American Dye Corp.
DYTINT DYE, dye for use in washing machines, North American Dye Corp.
DYWHITE, whitener for use in washing machines, North American Dye Corp.

E

EA, drycleaning presses, Prosperity Co., Div. Ward Industries Corp.
E-C, soap systems, loading hoppers, lint collectors, piece counters, conveyor, Eastern Cyclone Conveyor System, Inc.
EEEE, drill steel, Crucible Steel Co. of America
EFTT, electric power fork truck, Lewis Shepard Products, Inc.
E-Z, drycleaning soap, Dello Products Co.
EZ, plastic bagger, Ez Packaging Corp.
EZDS, presses, Prosperity Co., Div., Ward Industries Corp.
EAGLE, safety cans for storing and handling all kinds of volatile or inflammable liquids, Eagle Mfg. Co.
EAGLE CLAW, hooks, eyes and loops, Oakville Co. Div., Scoville Mfg. Co.
EASTON, woven cotton belting, Victor Balata & Textile Belting Co.
EASY, vertical and horizontal solvent pumps, exhaust fans, Easy Industries
EASY-ON, wood strut hanger, Nagel Coat Hanger Co.
EASY PRESS, manually operated drycleaning press, Goldman Pressing Machine Corp.
EASY-TO-SEW, replacement collars, Zuckerberg Corp.
ECCO, blues, ironer oil, soot removers, repellents, prespotters, tints, soaps, Eaton Chemical & Dyestuff Co.
ECCODUX, dry water repellent, Eaton Chemical & Dyestuff Co.
ECCOFORM, dry spotter, Eaton Chemical & Dyestuff Co.
ECCO KOBO, odor neutralizer, Eaton Chemical & Dyestuff Co.
ECCOSIZE, size, wet side, Eaton Chemical & Dyestuff Co.
ECLIPSE, laundry and drycleaning power plant equipment, boilers, steam generators, controls, pumps, valves, Eclipse Fuel Engineering Co.
ECLIPSE PIONEER, flexible metal hose, Eclipse Pioneer Div., Bendix Aviation Corp.
ECO, hand cream, Davis Emergency Equipment Co., Inc.
ECO, watchmen's clocks, Detrex Watchclock Corp.
ECO INSTANT STARCH, starch, H. Kohnstamm & Co., Inc.
ECONO, drycleaning soap, Package Chemical Co., Inc.
ECONO, sour, Diamond Alkali Co.
ECONO, synthetic solvent drycleaning unit, Vic Cleaning Machine Co.
ECONO-CAL, drycleaning detergents, Caled Products Co., Inc.
ECONOFEED, boiler feed pump and condensate return system, Hapman-Dutton Co.
ECONOMASTER, boiler, Hapman-Dutton Co.
ECONO-MATIC, drycleaning unit, Prosperity Co., Div., Ward Industries Corp.
ECONOMIC, boilers, Erie City Iron Works
ECONOMIST, boiler, Hapman-Dutton Co.
ECONOMITE REGISTERS, autographic registers, Autographic Register Co.
ECONOMIZER, boiler, Hapman-Dutton Co.
ECONO MOISTLESS, paper bands, Economy Tablet & Paper Co.
ECONOMY, drycleaner's bag, Diem & Wing Paper Co.
ECONOMY, hanger bar covers, Phoenix Products Co.
ECONOMY, marking pins, Keyes-Davis Co.
ECONOMY, nylon net, Tingue, Brown & Co.
ECONOMY MODEL PARIS, steam-air garment finisher, Garment Finishing Equipment Corp.
ECONOMY PAD, padding for drycleaning pressing machine, Arrow Mfg. Co.
ECONOMY SOUR, laundry sour, Speedlite Chemicals Co., Patek & Co.
ECONO-PAK, small-order register, Econo-Pak Register Co.
ECONO-PER, cold synthetic drycleaning unit, Vic Manufacturing Co.
ECONO-SCOOP, steel weighing hand scoop, Blenco Co.
ECONO-SOUR, laundry sour, Diamond Alkali Co.
ECONOTEX, nylon press covers, X. S. Smith, Inc.
ECONO-THERM, type V automatic reseating "P & T" relief valve, A. W. Cash Valve Mfg. Corp.
ECONOTHERM, steam boilers, Hapman-Dutton Co.
ECON-O-WASH, packaged coin-meter self service automatic laundry plants, Small Equipment Co., Div., American Laundry Machinery Co.
ECONYLON, nylon laundry net, Carson Textile Co.
EFELO, finishing equipment, Draper-Eze Equipment Co.
EGAN, ironer and press padding, feed ribbons, Egan Cotton Mills
EGRY ELITE, register, business system, Egry Register Co.
1838, marking ink, liquid laundry blue, Eaton Chemical & Dyestuff Co.
"86" COLLECTOR CART, for soiled linen or laundry cart, Paul O. Young Co.
880, spray-dried, free flowing white granules, Lever Brothers Co.
886, strong soap formula, R. R. Street & Co., Inc.
8400, nylon press cover, cloth, Whitehouse Nylon Products
EIGHTEEN COVERDUX, duck for flatwork ironers, Tingue, Brown & Co.
EJEX, wetcleaning soap, Dello Products Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

ELAINE, red oil (oleic acid), Emery Industries, Inc.
ELANITE, laundry soaps, Los Angeles Soap Co.
ELASTIGUM, roof cement, roof coating, Barrett Div., Allied Chemical & Dye Corp.
ELCCO, drycleaning presses, press head cleaners, puffers, spotting boards and tables, valves, Intercontinental Mfg. Co., Inc.
ELCONITE, standard greensand zeolite, Elgin Softener Corp.
ELECTRA-MATIC, shirt press, New York Pressing Machinery Corp.
ELECTRI-PRESS, electric dry cleaner press, Forse Corp.
ELECTRO, water conditioner, Stomac Engineering Co., Inc.
ELECTROFLUID, motorized hydraulic drive, Link-Belt Co.
ELECTRO LIFT, hoists, Electro Lift, Inc.
ELECTROMANUAL, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ELECTROMATIC, blanket edge ironer, Rosenthal Mfg. Co.
ELECTROMATIC, vacuum spotting board, U. S. Hoffman Machinery Corp.
ELECTROMATIC, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ELECTRO-MEND, mending machines and tabs, Simmons Machine Co.
ELECTRO NEUTRALIZER, water-conditioning apparatus for steam boilers, Electro Chemical Engineering Co., Inc.
ELECTRO-STAPLER, stapling machine, B. Sternberg
ELECTRUNITE, stainless steel tubing, Republic Steel Corp.
ELDER, imported pins and safety pins, Wm. Prym, Inc.
ELGIN, water softening and conditioning equipment and chemicals, water filters, deaerating heaters, Elgin Softener Corp.
ELITE, covercloth for ironers and presses, Tingue, Brown & Co.
ELITE, nylon nets and dacron nets, Fablok Mills, Inc.
ELITE TRU-PAK, autographic register, Egry Register Co.
ELLIOTT, addressing machines, Elliott Addressing Machine Co.
ELLIS, laundry machinery, Ellis Drier Co.
ELMO, stripper, A. L. Wilson Chemical Co.
ELNA, sewing, mending machine, Mark-O Corp.
ELTOREX, taste and odor removal zeolite, Elgin Softener Corp.
EMERALD, felt, flannel, Pittsburgh Waterproof Co.
EMERSOL, stearic acid, Emery Industries, Inc.
EMPIRE, firebrick, A. P. Green Fire Brick Co.
EMPIRE, steam traps, American District Steam Co., Inc.
EMULSIVE, wheat starch, Keever Starch Co.
ENDOR, steam tumbler, Hammond Laundry-Cleaning Machinery Co.
END-O-RUST, rust remover and metal conditioner, The Peters Co., Div. Toledo Paint & Chemical Co.
ENDURO, coil-spring press pad, Zeidler Mfg. Co., Inc.
ENDURO, stainless steel, Republic Steel Corp.
ENERGETIC W-100, soil emulsifier, Armour & Co., Industrial Soap Dept.
ENERGEX, drycleaning detergent-emulsifier, Pennsalt Chemicals Corp.
ENERGY, gas-fired air heater for drycleaning equipment, Norman Control Co.
ENGINAIR, compressor, Washington Air Brake Co., Industrial Products Div.
ENZYMERSE, enzymic digester, George E. Mead Co.
EOSOL, paint, oil and grease remover, Krasan Products, Inc.
EQUAFLOW, manifolds, Ruund Mfg. Co.
ERAD-INK, ink remover, A. L. Wilson Chemical Co.
ERADOL, color stripper, National Cleaners Chemical Mfg. Co.
ERASE, deodorant, Signal Chemical Mfg. Co., Inc.
ERASINE, ink remover, Lewis National Corp.
ERIE CITY, boilers, underfeed stokers, Erie City Iron Works
ERIFON, flame retardant, E. I. du Pont de Nemours & Co., Inc.
ERMCO, rug conveyor and equipment, American Laundry Machinery Co.
ERUSTICATOR, rust stain remover, Pennsalt Chemicals Corp.
ERUSTO, spot and stain remover, dry and wet-cleaning soaps, laundry sour, Pennsalt Chemicals Corp.
ERUSTO-BLUE #16, Pennsalt Chemicals Corp.
ERUSTO-CETIC, wet cleaning sour, Pennsalt Chemicals Corp.
ERUSTOCIDE, laundry sour, and moth deterrent, Pennsalt Chemicals Corp.
ERUSTOLIN A-B, laundry sour, Pennsalt Chemicals Corp.
ERUSTO LIQUI-BLUE, laundry blue, Pennsalt Chemicals Corp.
ERUSTO-MAX, laundry sour, Pennsalt Chemicals Corp.
ERUSTO-RAY, laundry sour, Pennsalt Chemicals Corp.
ERUSTO-RAY B-C, fabric brightener sour with blue, Pennsalt Chemicals Corp.
ERUSTO SALTS, laundry sour, Pennsalt Chemicals Corp.
ERUSTOSOL, liquid laundry sour, Pennsalt Chemicals Corp.
ESCO, high pH soap builder, Cowles Chemical Co.
ESCOFOS, water conditioner and soap regenerator, Cowles Chemical Co.
ESCOLIN, laundry alkali, Cowles Chemical Co.
ESCOLITE, medium pH soap builder, Cowles Chemical Co.
ESCOLLOID, colloidal alkali break detergent, Cowles Chemical Co.
ESCOL 77, high pH soap builder, Cowles Chemical Co
ESCOMET, laundry alkali, Cowles Chemical Co.
ESCOMO, liquid blue, Cowles Chemical Co.
ESCO-SAVON, hot-water soap (east of Rockies only), Cowles Chemical Co.
ESPECCO, solvent, starches, Superior Products Co.
ESPESOL, aliphatic and aromatic solvents, Eastern States Petroleum & Chemical Corp.
ESSICK, evaporative coolers, Essick Mfg. Co.
ESSO BOND, air-setting, high-temperature cement, Remtite Co.
ETERNIT, asbestos-cement sheets for roofs and sidewalls, Ruberoid Co.
ETERNIUM, pitch base paint, Barrett Div., Allied Chemical & Dye Corp.
ETHRO, rug and carpet shampoo, North Coast Chemical & Soap Works
EULANS, mothproofing agents, General Dyestuff Corp.
EURECO, ventilating system, Eure & Co.
EUREKA, belt dressing, Standard Oil Co.
EUREKA, marking pins, Keyes-Davis Co.
EUREKA, wetcleaning laundry powder, North Coast Chemical & Soap Works
EVALPAK, valve packing, Edward Valves, Inc. Subsidiary Rockwell Mfg. Co.
EVALTHRUST, valve bushings, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
EVAPO-GAS, fumigant, Nycco Products Co.
EVERDUR, copper silcon alloy, American Brass Co., American Metal Hose Branch
EVERLASTIC, roofing, Barrett Div., Allied Chemical & Dye Corp.
EVER-LITE, lighting fixtures, Ever-Lite Co.
EVER MOIST, dampening device, Time Savers, Inc.
EVER-MOIST, canvas basket liners (nylon), F. H. Bonn Co.
EVERREADY, hat and garment boxes, Automatic Paper Box Corp.
EVERSAN, purifying and sanitizing finish of textiles, Ions Exchange & Chemical Corp.
EVERWEAR, nylon press covers and cotton padding, Tingue, Brown & Co
EVRTYTE, steel valves, Strong, Carlisle & Hammond Div.
EWART, detachable link belt chain, Link-Belt Co.
EWING PONY, wood pony laundry washer, R. Ewing & Sons, Inc.
EXACTO, pre-numbered marking tags, hanger racks, loop assembly hooks, clips, belt wheel, rack dividers, counting devices, staples and stapling machines, Identification, Inc.
EXCELAL, starch finish, Eaton Chemical & Dyestuff Co.
EXCELL-O, cellophane tying ribbon, Freyberg Bros.-Strauss, Inc.
EXCELSIOR, puff irons, fabric head unit, men's shoulders, Excelsior Machinery Co.
EXCELSIOR, hatters' and steam spotting, finishing equipment, Excelsior Machinery Co.
EXCELSIOR OFFSET, silk press, Excelsior Machinery Co.
EXCELSIOR RINN CALLVEYOR, Excelsior Machinery Co.
EX-GO, stain remover, A. L. Wilson Chemical Co.
EXHAUSTEAM, steam purifier, Morehead Manufacturing Co.
EXIDE, storage batteries, Electric Storage Battery Co.
EXIDUST, industrial vacuum cleaners, Lamson Corp., Blower Div.
EXPANDO, collar supports, Time Savers, Inc.
EXPELSIOR, pneumatic sewage ejector, Yeomans Bros. Co.
EXSIZE-T, starch-removing desizing agent, Pabst Brewing Co., Industrial Products Div.
EX-SOIL-O, drycleaning soap, Davies-Young Soap Co.
EXTRACTETTE, extractor, Cook Machinery Co., Inc.
EXTRACTING WASHER, washing and extraction in one operation, Butler Mfg. Co.
EXTRA SOLUBLE COLORFIXE, sours, H. Kohnstamm & Co., Inc.
EXTRAULIC, hydraulic laundry extractor, American Laundry Machinery Co.
EXTRON, drycleaning washer extractor, W. H. Nicholson & Co.
EXZYME, enzymic spotting agent, Pabst Brewing Co., Industrial Products Div.
EYE-OPENER, service indicator tags, Liberty Marking Tag Co., Inc.
E-Z GRIP, extra collar control, Star-Service Hanger, Div. Young Spring & Wire Corp.
E-Z LOX, collar supports, Time Savers, Inc.
EZ-OFF, metal cleaner, Boston Clip & Tag Co.
E-Z OUT, washing machine, metal, laundry, Henrici Laundry Machinery Co.
E-Z SQUEEZE, water spray gun, Dryco Corp.
E-Z TO SEW, pillow ticks, Zuckerberg Co.

F

F.B., loose-leaf holders, Speed Products Co., Inc.
F.B.C., drycleaning detergent, Fry Bros. Co.
FF, tickings, Freund, Freund & Co.
FT, fire tube, Erie City Iron Works
F & E, underfeed stokers, Flynn & Emrich Co.
FAB, detergent, Colgate-Palmolive Co.
FABLOK, premium nylon nets, Fablok Mills, Inc.
FABRICARE, drycleaning finishing equipment, Bishop David Freeman Co.
FABRICHEAD, puff irons, Excelsior Machinery Co.
FABRI CLENE, drycleaning detergents, Lincoln Research, Inc.
FABRIC-FEEL, garment press, air operated, Butler Mfg. Co.
FABRICOL, drycleaning detergent, R. R. Street & Co., Inc.
FABRIC-RENEWING, press plates, Bishop David Freeman Co.
FABRIC-SAFE DOUBLEPLATE, press plate, Bishop David Freeman Co.
FABRI FIN, fabric conditioner, Lincoln Research, Inc.
FABRI LURE, stain sealer, Lincoln Research, Inc.
FABRI PELS, water repellents, Lincoln Research, Inc.
FABRI SIZES, dry and wet sizings, Lincoln Research, Inc.
FABRIT, heat-sealing mending tape, Madison Products Co., Lucas Products Co.
FABTEX, water repellent, Merson Products Co.
FAB-TEX, water repellent, Spix Products Co.
FAIRBANKS, valves, trucks, casters, wheels, Fairbanks Co.
FAIRBANKS-MORSE, pumps, motors, engines, stokers, Fairbanks Morse & Co.
FAMILY "QUICK PACK," laundry bag, paper, Gaylord Container, Div. Crown Zellerbach Corp.
FAMILY WORK STARCH, laundry starch, Keever Starch Co.
FAMOUS 50, hand numbering machine, Roberts Numbering Machine Co.
FAN-PAC, packaged ventilation, DeBothezat Fans Div., American Machine & Metals, Inc.
FANTOM-BANTAM, invisible identification system, National Marking Machine Co.
FANTOM-FAST, invisible identification system, National Marking Machine Co.
FANTOM-MASTER, invisible identification system, National Marking Machine Co.
FASEL, prespotter, Package Chemical Co.
FASHION-AIRE, steam and air finishing, W. H. Nicholson & Co.
FASHIONER, automatic steam-air dress finisher, Wichita Precision Tool Co., Inc.
FASTOGENE, textile finishes and assistants, American Aniline Products, Inc.
FAWR, accessory equipment, Fawr, Inc.
FEATHER, air compressor valves, Worthington Pump & Machinery Corp.
FEATHERLIGHT, New York Pressing Machinery Corp.
FEEL-TEX, fur-like finish, Fur Feel Corp.
FELAN, durable water-repellent finish, E. I. du Pont de Nemours & Co., Inc.
FELTEX, nylon D. F. flannel, Gibraltar Fabrics, Inc.
FEND, protective hand cream, Mine Safety Appliance Co.
FEROCATOR, laundry sour, Pennsalt Chemicals Corp.
FERRENEWO, angle check and globe valves, Lunkenheimer Co.
FERRIMAG, ceramic permanent magnets, Crucible Steel Co. of America
FERROSAND, iron-removal filters, Hungerford & Terry, Inc.
FERRO-SOUR, sours, Diamond Alkali Co.
FERROVAC, vacuum melted steel, Crucible Steel Co. of America
FIBERGLAS, spun glass yarn for fabrics and insulating, Owens-Corning Fiberglas Corp.
FIBEROLLS, for use with marking machines, Textile Marking Machine Co., Inc.
FIELD, draft controls, Conco Engineering Works, Div. H. D. Conkey & Co.
FIELDEN, liquid level control instrument, Fielden Instrument Corp.
50-FOLD, concentrated drycleaning soap, National Cleaners Chemical Mfg. Co.
FILPRO, vacuum still, U. S. Hoffman Machinery Corp.
FILTERMASTER, solvent filters, Hopkins Equipment Co.
FILTER-SOL, liquid drycleaning soap, Davies-Young Soap Co.
FILTERSTILL, filters, Martin Equipment Co., Div. American Laundry Machinery Co.
FILTROL DC, absorbent filter aid, Filtrol Corp.
FILTROLENE, synthetic drycleaning soap, Slater-Robbins Co., Inc.
FILTRON, electronic filter, U. S. Hoffman Machinery Corp.
FILTROSAN, drycleaning soap, Stoddard solvent, Slater-Robbins Co., Inc.
FILT-R-OUT, liquid drycleaning soap, Caled Products Co., Inc.
FINISH 21, dye fixer, Apex Chemical Co., Inc.
FINNELL, starch reclaimer, Lewis National Corp.
FIREBOX, coal, oil, gas stokers, high and low pressure, Kewanee Boiler Co.
FIRE-CHEX, roofing shingles, Philip Carey Mfg. Co.
FIREITE, asbestos furnace cement, Johns-Manville

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

FIREYE, safeguards, controls, Combustion Control Corp.
FIREFLY, asbestos pads, Firefly Asbestos Products Co.
FIRE GUARD, insulation, Philip Carey Mfg. Co.
FIRE GUN, fire extinguishers, American-La France-Foamite Corp.
FIT-ALL, sleeve forms, Davis Specialties, Inc.
3-L, laundry starch Clinton Foods Inc.
527 SPOTTER, all-purpose spotter, Dixo Co.
FLAG-O-MATIC TAGS, for the marking tags, Philip L. Braun, Inc.
FLAG-TAGS, special tags, Stry-Lenkoff & Co.
FLAIR, sport shirt pack, Scientific Packages, Inc.
FLALON, nylon flannel for press pads, Burgess-Berliner Associates
FLAME CHEK, flameproofing agent, Chek Products, Inc.
FLAME PROOF XWX, flameproofing agent, Apex Chemical Co., Inc.
FLAMONEL, monel press pads, Resillo Co.
FLAN-L-TEX, metal press pads, X. S. Smith, Inc.
FLASH, hand-type tape sealing machine, Time Savers, Inc.
FLASH, shirt packages, Scientific Packages, Inc.
FLETCHER, extractor, Fletcher Works, Inc.
FLEXO, built powder, Swift & Co., Industrial Soap Dept.
FLEXCO, belt fasteners, Flexible Steel Lacing Co.
FLEXIMATIC, linen folder, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FLEXITE, rubber buckets, dippers, funnels, B. F. Goodrich Co.
FLEXOL DOP, plasticizer to soften hardened waterproof innerlinings, Eaton Chemical & Dyestuff Co.
FLEXON, corrugated expansion joints, Flexonics Corp.
FLEX V, belt fasteners, Flexible Steel Lacing Co.
FLIK, paint, oil and lipstick remover, Stamford Chemical Co.
FLINT CHIPS & POWDER, neutral soaps, Armour & Co., Industrial Soap Dept.
FLOATS OFF, liquid synthetic detergent, J. Holcomb Mfg. Co.
FLO-KLEAR, soap for charged systems, Pennsalt Chemicals Corp.
FLOORKOTE, enamel, Tropical Paint & Oil Co.
FLOORMASTER, trucks, Lewis-Shepard Products, Inc.
FLOOR-VEYOR, permanent installation power belt conveyor, Rapids-Standard Co., Inc.
FLORIENT, room deodorant, Colgate-Palmolive Co.
FLOW-CLEAN, washer-extractor, Fletcher Works, Inc.
FLOW-COLD, coolers, air, oil, water, Acme Industries, Inc.
FLOW-MASTER, continuous speed rail fittings, Flow-Master Machine Corp.
FLOW-PAC, coolers, air, oil, water, Acme Industries, Inc.
FLOWRATER, solvent meter for filters, Fischer & Porter Co.
FLOW-RINSE, drycleaning extractor-rinser, Fletcher Works, Inc.
FLOW-TEMP, convectors, Acme Industries, Inc.
FLOW-THERM, coolers, air, oil, water, Acme Industries, Inc.
FLUFFED EDGE, padding cotton, Pittsburgh Waterproof Co.
FLUFFY "ALL," low sudsing synthetic detergent, Lever Bros., Co.
FLUFTEX, fabric conditioner, textile softeners, National Textile Chemical Co.
FLUIDRAM, underfeed stoker, Erie City Iron Works
FLUORIUM, fluorescent fabric finish, Beach Soap Co.
FLUSH, fatty acid eliminated (liquid) Dello Products Co.
FLUTRON, ruffle ironer, Maxant Button & Supply Co.
FOAMANEL, sponge press pads, Resillo Co.
FOAM-ASBESTOS, foam rubber laminated drycleaning pads, Gustin-Kramer Co.
FOAM-CRAFT, foam rubber press pads, plastic foam hanger covers, press padding, Foam Craft Products Co.
FOAMEX, neutral lubricant, Benda Products, Inc.
FOAMITE, fire extinguishers, American-La France-Foamite Corp.
FOAMSUDS, liquid coconut soap, E. F. Drew & Co., Inc.
FOLD-A-WAY, shirt baskets and trucks, Time Savers, Inc.
FOLD-FAST, folders, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FOLD-KING, shirt-folding device, Time Savers, Inc.
FOLDMASTER, small piece flatwork folder, American Laundry Machinery Co.
FOLD-MASTER, shirt folding device, Time Savers, Inc.
FOLD-O-LECTRIC, pre-coded lot system tag for cleaners with machine automation, Textile Marking Machine Co., Inc.
FOLDRITE, flatwork folder, American Laundry Machinery Co.
FOLDRITE, shirt folding and finishing equipment, Time Savers, Inc
FOLESTAK, automatic flatwork folder & stacker, American Laundry Machinery Co.
FOOT-EEZ, rubber health mat, American Floor Products Co.
FOOTROL, foot switches, General Control Co.
FORCE-FLO, blast type convector with fan, Trane Co.
FORD, gasoline trucks and engines, Ford Div., Ford Motor Co.
FOREL, synthetic detergent, Beach Soap Co.
FORMANIL, aniline dyes, American Aniline Products, Inc.
FORMATIC, automatic shirt folder, American Laundry Machinery Co.
FORMATIC, shirt finishing equipment, American Laundry Machinery Co.
FORM-A-TIME CONTROL, washer timer, Van Chemical Co.
FORM FIT, garment hangers, Pacific Coat Hanger Mfg. Co.
FORMFIT, shirt protectors, Sutherland Paper Co.
FORM-MASTER, payroll system, Todd Co., Inc.
FORMMASTER, portable forming machine, Walter Haertel Co.
FORMOLD, plastic mold steel, Crucible Steel Co. of America
FORM-RITE, collar shaper, Huebsch Originators Div., American Laundry Machinery Co.
FORMULA CONTROLS, INC., formula control for washers, Formula Controls, Inc.
FORMULA E-23, concentrated detergent, Marshall Co.
FORMULA 880, spray-dried, free flowing white granules, Lever Brothers Co.
FORMULA 886, strong soap formula, R. R. Street & Co., Inc.
FORMULA 1954, 4% clear, no-rinse charge, Marclene Products Corp.
FORMULA 177, synthetic soap powder, West Side Corp.
FORMULA S, built, powdered, low-titer soap, and fur cleaning supplies, Swift & Co., Industrial Soap Dept.
FORMULA 770, spray-dried to homogeneous free-flowing beads, Lever Brothers Co.
FORMULA 60, high-titer laundry soap, New South Mfg. Co., Inc.
FORMULA 12, drycleaning soap, Package Chemicals Co., Inc.
FORMULA W-31, ink remover, A. L. Wilson Chemical Co.
FORMULATION No. 14174, charge soap, Eaton Chemical & Dyestuff Co.
FORMULATION L-232, enzymic digester, Pabst Brewing Co., Industrial Products Div.
FOR-SEC, drycleaning washer-extractor, Forse Corp.
FORSE-CLEAN, 50 lb. synthetic drycleaning machine, Forse Corp.
FORSE-ELROD, silk unit and automatic pants unit, Forse Corp.
FORSE GARMENT FINISHING UNIT, utility press, silk unit and auto pants top finisher, Forse Corp.
FORSE MASTER, presses, laundry and drycleaning equipment, Forse Corp.
FORSE VELOCITY STEAM, increases heat output in steam system, attacking condensate and air films, Forse Corp.
FOSKLOR, chlorinated sodium phosphate, Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.
FOSTER-STEPHENS, window posters, photo truck-posters, sales promotion material, newspaper mats, Foster-Stephens, Inc.
FOUR-ACES, synthetic wetcleaner in powder form, National Cleaners Chemical Mfg. Co.
400, liquid drycleaner, Adco, Inc.
411, powdered synthetic detergent, Armour & Co.
460, power conveyor, Richards-Wilcox Mfg. Co.
FOUR STAR, wheat paste starch, Keever Starch Co.
422, built anionic synthetic detergent, Armour & Co.
FOXBORO, indicating, recording, controlling instruments, Foxboro Co.
FRACTO-CRETE, castable refractory, Ramtite Co.
FRANKLIN, steel products, Bernard Franklin Co., Inc.
FRANKLIN'S, cement treatment, cleaners, polishes, waxes, wood seal, Franklin Research Co.
FRE-BIR-PAC, cloth counters, automatic towel and diaper counters, Fre-Bir-Pac, Inc.
FREE-FLO, drycleaning pressure filter, Gross Machinery Co., Inc.
FREEMAN "No GLAZE," fabric-safe double-plates, drycleaners press plates, lusterplate double plates, Bishop David Freeman Co.
FREE-VANE, air-operated controller, Bristol Co.
FREE-VANE, electric controller, Bristol Co.
FREMONT, rubber floor tile, mats, matting, Fremont Rubber Co.
FRENCH-TEX, suede and leather cleaning and dyeing process, La France Dye House
FRESH-AIR MAKER, fans, blowers, Schwitzer-Cummins Co.
FREUND, tickings, Freund, Freund & Co., Inc.
FRIGIDAIRE, air conditioners, washers automatic, water heaters, Frigidaire Div., General Motors Corp.
FRINGE-IT, fringe cleaner, Certified Chemical & Equipment Co
FRINGE-RITE, bleach, Coastal Chemical Corp.
FRONTIER BRAND, specialties, Riverside Chemical Co., Inc.
FROST-PROOF, pipe covering and blocks, Ruberoid Co.
FRUGAL, soap, Minnesota Chemical Co.
FRYBRO, black indelible marking ink, ironer oil, Fry Bros. Co.
FRYE, dye dippers, E. B. Frye & Son
FRY'S SPECIAL, clipper laced aprons, Fry Bros. Co.
F. S. RUBBER MARKERS, colored identification markers, Skrandel Co.
FUELEX, sludge solvent, Coastal Chemical Corp.
FUEL-SAVER, boilers, International Boiler Works Co.
FULFLO, filters for industrial fluids, gases and compressed air, Commercial Filters Corp.
FUL-FLO, laundry nets and fabrics, Davis Mills Inc.
FULLMATIC, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FULTON, laundry nets, Southern Mills, Inc.
FULTON, small-horsepower steam boilers, Fulton Boiler Works, Inc.
FUME-FITE, acid resisting enamel, Tropical Paint & Oil Co.
FUMOL, mothproofing agent, Fumol Corp.
FUMOL 56, insecticide, Fumol Corp.
FUMOLMOTH SECTOL, moth spray, Fumol Corp.
FUMOL OS40 and SS200, mothproofers, Fumol Corp.
FUMOL SILICONE, water repellent, Fumol Corp.
FUR CLENE, fur and synthetic pile coat lining cleaning solvent, Walter Haertel Co.
FUR-E-OIL, re-oiling and softening agent for furs and leathers, Package Chemical Co., Inc.
FUR FEEL, pile fabric process, Fur Feel Corp.
FUR FROST, cleaner for deep-pile fur fabrics, White Frost Chemicals, Inc.
FURLON, fur glaze, Nycco Products Co.
FURNAS-CRETE, castable refractory, Mexico Refractories Co.
FUR-RAY, fur cleaner and reconditioner, Jay-Dee, Inc., Mfg. Chemists
FUR-SAN, fur cleaner, Huntington Laboratories, Inc.
FUR SHEEN, fur and synthetic pile coat cleaner, Walter Haertel Co.
FYR-FEEDER, stokers, American Coal Burner Co.

G

GFD'S, hot air dryers, Hoyt Mfg. Corp.
GFT, tumblers, laundry, dry cleaning, Western Laundry Machinery Co.
GFTT, gas power fork truck, Lewis-Shepard Products, Inc.
G & G, liquid or powdered stripper, bleacher, G & G Chemical Co.
GOP, grease, oil and paint remover, Eaton Chemical & Dyestuff Co.
G & P, grease and paint remover, Warco Laboratories, Inc.
GABRIEL, boilers, heat exchangers, pressure tanks, Gabriel Boiler & Fabrication Co.
GAFFERS & SATTLER, air-conditioners, (evaporative) coolers, air, recirculating pumps, Utility Appliance Corp.
GARCO, hangers, wire trouser guards, collar supports, skirt clips, press pads, Garment Hanger Co.
GARD, combined flameproofing and mothproofing agent, U. S. Chemical Products Co.
GARMENT "QUICK PACK," garment bag, paper, Gaylord Container Div. Crown Zellerbach Corp.
GARDNER-DENVER, air compressors, pumps, Gardner-Denver Co.
GAS-HEAT, recirculators, Kisco Boiler & Engineering Co.
GASWAY, gas and steam heated flatwork ironers, Gasway Corp.
GATES, heavy duty industrial V-belts, Gates Rubber Co.
GATOR HIDE KRAFT, wrapping paper, International Paper Co., Southern Kraft Div.
GAVSCO, valves, Golden-Anderson Valve Specialty Co.
GAY, liquid detergent, Tower Chemicals, Inc.
GAYLON, liquid detergent, brightener for synthetic fibers, Tower Chemicals, Inc.
GEEP, wet and dry spotter, Keystone Aniline & Chemical Co., Inc.
GELATONE, liquid size and finish, R. R. Street & Co., Inc.
GEM, grease cups, Lunkenheimer Co.
GEMZYME, enzymic digester, George E. Mead Co.
GENERAL, fire trucks, General Detroit Corp.
GENERAL, perchlorethylene drycleaning units, Martin Equipment Co., Div. American Laundry Machinery Co.
GENERAL, liquid soap dispenser, General Equipment Co.
GENERAL ELECTRIC, electrical equipment, General Electric Co.
GENERAL FORMULA, general formula, Lustrol Drycleaning Products, Div. Fatek & Co.
GENERAL FORMULA, stain remover, G & G Chemical Co.
GENERAL FORMULA 209, spotting agent, R. R. Street & Co., Inc.
GERMITEX, sour, Hood Chemical Co., Inc., Crescent Div.
GIANT, built high-titer soap powder, Armour & Co., Industrial Soap Dept.
GIANT, hydraulic extractor, Strike's Laundry Machinery, Inc.
GIANT, net pins, Keyes-Davis Co.
GIBRALTAR, marking and printed tags, Gibraltar Products Co.
GIBRALTAR, nylon flatwork ironer tape, Gibraltar Fabrics, Inc.
GIBRALTAR TRI-PRONG CLIP, skirt hanger fastener, Commercial Tag Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

GIFCO, tags, H. M. Gifford Mfg. Co.
GI-GR-NITE, casters, Clinton Products Co.
GILMER, V-belts, flat belting, woven belting, New York Belting & Packing Co.
GILT EDGE, round leather belting, I. B. Williams & Sons
GLAMORENE, rug cleaner, rug brush, foam upholstery cleaner, Glamorene, Inc.
GLAZEEN, fur glazing fluid, Package Chemical Co., Inc.
GLAZOLENE, fur luster, Nycco Products Co.
GLEEM, liquid wetcleaning soap, Trico Chemical Div., Tri-State Equipment Co.
GLENN ANDERSON, paper collar supports, Andeson Collar Support Co.
GLENZIP, JR., zipper repair tools, Glenzip Co.
GLIDE, ironing surface lubricant, Patek & Co.
GLIDE LINER, pressing machines, laundry power presses, Unipress Co.
GLIDE-O-MATIC, shirt-finishing unit, Unipress Co., Inc.
GLIDER, electric irons, J. W. Steele & Co.
GLIDER, pressing machine, Loyal Textile Machinery Corp.
GLIM, detergent, General Aniline & Film Corp., Special Products Sales Div.
GLISS'N, cleaning compounds, mothproofing, Gliss'n Products Co., Inc.
GLOBE, drycleaning marking and strip tags, Globe Ticket Co. of New England
GLOBE, laundry, drycleaning washers, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
GLORY, tallow soap chips, Swift & Co.
GLO-SOAP, drycleaning soap, Starr Soap & Chemical Co., Inc.
GLOSSTEX, canvas products, C. R. Daniels, Inc.
GLOVER, cleaners' specialties, Bill Glover, Inc.
GLOVER, automatic air form finishing unit, Bill Glover, Inc.
GLU-TONE, for airplane glue stains, Spix Products Co.
GLUV-NU, glove soap, Davies-Young Soap Co.
GLYD-ON, shirt clip, Time Savers, Inc.
GMC TRUCKS, motor trucks, GMC Truck & Coach Div., General Motors Corp.
GO-BACK, basket conveyor, Time Savers, Inc.
GO-BACK, conveyors for flatwork presses, Rosenthal Mfg. Co.
GOLDEN ARROW COVER N PAD, padding for drycleaning pressing machines, Arrow Mfg. Co.
GOLDEN FLAKE, laundry soaps, Fry Bros. Co.
GOLD-FLO, boilers and condensation return system, Goldman Pressing Machinery Corp.
GOLD LINE, laundry fabric, Tingue, Brown & Co.
GOLD MEDAL, hatters' chemicals, machinery, Hatters Supply House, Inc.
GOLD MEDAL, laundry nets, Southern Mills, Inc.
GOLD MEDAL, neutral soap, Swift & Co., Industrial Soap Dept.
GOLDSEAL, colored specialty tape, Gummed Tape & Devices Co.
GOLD SEAL, rug shampoo, Huntington Laboratories, Inc.
GOLD STAR, feed ribbons, New York Belting & Packing Co.
GOMACO, non-slip trouser guard, hangers, collar forms, Goldman Mfg. Co.
GOOD FORM, garment hangers, Pacific Coat Hanger Mfg. Co.
GOODRICH, rubber hose, belting, packing, B. F. Goodrich Co.
GOOSENECK, garment bagger, A. G. Vara & Son, Inc.
GORTON, air eliminators, Gorton Heating Corp.
GOVERNOR, nylon net, knitted, Gibralter Fabrics, Inc.
GRAKO, belt dressing, Graton & Knight Co.
GRAND, hatters' equipment, supplies, Maxant Button & Supply Co.
GRANOLITH, paint for brick, concrete, stucco, Barreled Sunlight Paint Co.
GRA-SOL, grass stain remover, Warco Laboratories
GRANTHAM, tumbler, T. L. Smith Co.
GRANUWAX, granulated wax, Lewis National Corp.
GRAVES & MARSHALL, water heaters, heat exchangers, pressure and storage tanks, Graves & Marshall Co.
GREASEX, solvent oil for industrial washing, Patek & Co.
GREASOLV, oil, paint, grease remover, Edelmuth Mfg. Chemists
GREAVES, silent bakelite gears, milling machines, Greaves Machine Tool Co.
GREENBACK, apron duck, John T. Stanley Co., Inc.
GREEN BUBBLES, soap powder, Minnesota Chemical Co.
GREENCOTE, refractory maintenance coating, A. P. Green Fire Brick Co.
GREEN GLO, oil soap, Allen B. Wrisley Co.
"GREEN LABEL," laundry textile fabrics and flatwork ironer aprons, R. Lally Co.
GREEN LABEL, builder compound, Solvay Sales Div., Allied Chemical & Dye Corp.
GREEN LINE, flatwork ironer tape, R. Lally Co.
GREEN OLIVE, soap, Rome Soap Mfg. Co.
GREENSTRIPE, cover cloth, John T. Stanley Co., Inc.
GREEN STRIPE, padding, William E. Hooper & Sons
GREENZYME, digestive enzyme, Greenville Chemical Co.
GREIF, hangers, guards, Greif Bros. Cooperage Corp., Wire Garment Hanger Div.
GRESOL, break powder, Speare Co.
GREYHOUND, extractor, synthetic washer, washwheel Hercules Laundry Machinery Co., Inc.
GREY-ROCK, brake lining, clutch facings, brake blocks, Raybestos-Manhattan, Inc.
GRIMES, air compressors, Grimes Co.
GRIPNET, nylon net closures, Keyes-Davis Co.
GRIPPER, snap fasteners, Oakville Co., Div., Scovill Mfg. Co.
GRIPPO, slip-resistant trouser guard, Patek & Co.
GRIPPO, non-slip trouser guards and foam hanger cover or shoulder guard, L. M. Leathers' Sons
GRIPTEX, liquid rubber, Adhesive Products Corp.
GRIPTITE, bagging rod clamp, Bishop David Freeman Co.
GRIP-TITE, marking tags, Liberty Marking Tag Co., Inc.
GRIPTITE, rug pole hangers, American Laundry Machinery Co.
GROMMET GRIP, reinforced grommets for nylon nets, Gibraltar Fabrics, Inc.
GROSS, drycleaning extractors, filters, tumblers, washers, Gross Machinery Co., Inc.
GROSSAIRE, open-end tumbler, Gross Machinery Co., Inc.
GROSS-EX, drycleaning washer-extractor, Gross Machinery Co., Inc.
GROSS-OMATIC, safety petroleum drycleaning unit, Gross Machinery Co., Inc.
GROSS STAR LITTLE GIANT AIR VAC, vacuum system for pressing machines, I. Behrstock Co.
GROSS-X, tumbler, Gross Machinery Co., Inc.
G-SEAL, pipe joint compound, Quigley Co., Inc.
G-SOL, drycleaning soap, G & G Chemical Co.
GUARANTEED, built, powdered high-titer laundry soap, Swift & Co., Industrial Soap Dept.
GUARDIAN, nylon laundry nets and dacron nets, Fablok Mills, Inc.
GUARDIAN, hanger covers, shirt bands, garment bags, trouser guards, Great Eastern Paper Converters, Inc.
GUARDSMAN, watchclock, Detex Watchclock Corp.
GULF, petroleum and Stoddard solvents, rust preventatives, greases and lubricating oils, Gulf Oil Corp.-Gulf Refining Co.
GUMCRAFT, gummed, mending and printed tapes, Gummed Tape & Devices Co.
GUTH GERM-KILLING LIGHTS, bactericidal lighting equipment, Edwin F. Guth Co.
GYROL, fluid drive, transmission-variable speed, American Blower Corp., Div. American-Standard

H

H, water soluble grease, Keystone Lubricating Co.
H & A, size, H. & A. Sizing Co.
HCR, high capacity cation exchanger, National Aluminate Corp.
HD, belt fasteners, Flexible Steel Lacing Co.
H. I. S., laundry starches, Huron Milling Div., Hercules Powder Co.
H.K., bleach and fabric softener, H. Kohnstamm & Co., Inc.
HTH, granular bleach disinfectant, deodorizer, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
HTH, soda bleach mix, calcium hypochlorite with soda base, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
H. V., horizontal-vertical centrifugal pumps, Decatur Pump Co.
HW, liquid soap, detergent, Eaton Chemical & Dyestuff Co.
HAERTEL, fur cleaning material, equipment, trucks, fumigation cabinet, garment racks, fur vault door, Walter Haertel Co.
HAGAN C-300, high capacity resin, Calgon Co., Div. Hagan Chemicals & Controls, Inc.
HAGAN-CALGON, mechanical water softener, Calgon Co., Div. Hagan Chemicals & Controls, Inc.
HAIROUND, round belting, Graton & Knight Co.
HALOX, dry bleach, Wyandotte Chemicals Corp., J. B. Ford Div.
HALL, tanks and tubs, Amos H. Hall & Sons
HAMILTON, casters, dollies, racks, wheels, trucks, Hamilton Caster & Mfg. Co.
HAMILTON SPRING PADDING, spring padding for flatwork ironers and presses, American Laundry Machinery Co.
HAMILTON, dye kettles, extractor baskets, Hamilton Copper & Brass Works
HAMMEL-DAHL, valve controls, valves, Hammel-Dahl Co.
HAMMOND, washers, tumblers, extractors, Hammond Laundry-Cleaning Machinery Co.
HAMMOND MIRACLE-MATIC, laundry washer-extractors and washer-extractor drycleaning units, Hammond Laundry-Cleaning Machinery Co.
HAND-A-LOX, wire hanger holder, Time Savers, Inc.
HANDEE, presses, Forse Equipment Co.
HAND-FILM, protective hand cream, National Cleaners Chemical Mfg. Co.
HANDI, bundle and garment racks, Speare Co.
HANDIPAK, portable autographic register, Egry Register Co.
HANDIROL, mending tape, Gummed Tape & Devices Co.
HANDY, button and buckle covering equipment, Handy Button Machine Co.
HANDY, flatwork ironer, American Laundry Machinery Co.
HANDY, gate valves, Lunkenheimer Co.
HANDY, rubber markers, Zuckerberg Co.
HANDY HOOKS, garment hanger and household conveyors, Engineering & Production Specialties
HANDYPAK, day tags, Tagit Co.
HANG-A-LOX, wire hanger rack, Time Savers, Inc.
HANGER-AD, foam plastic hanger guard, printed with advertisement, Art Anson Inc.
HANGER-TIES, hanger combiners, H. F. Hanscom & Co
HANG-RITE, garment hangers, Waldorf Paper Products Co.
HANG-R-SHIELD, garment hanger cover, Sta-Neat Corp.
HAPMAN, conveyors, Hapman-Dutton Co.
HARWID, polyethylene, Olin Cellophane Div., Ecusto Paper Corp.
HAT SIZING, sizing for hatters, Warco Laboratories, Inc.
HAUSER-STANDER, wood tanks, tubs, vats, Hauser-Stander Tank Co.
HAWKEYE, soap flakes, Iowa Soap Co.
HAYS, veriflow meter, visio-ratio gauge, Hays Corp.
HEARTH-CRETE, refractory material, Quigley Co., Inc.
HEART-OAK, leather belting, Graton & Knight, Co.
HEAT-KWIK, combination trap, V. D. Anderson Co., Div., International Basic Economy Corp.
HEAVEN SCENT for Kings and Queens, scented advertising to be placed in drycleaned and laundered garments, Arrow Mfg. Co.
H. E. FLUELESS, boilers, P. M. Lattner Mfg. Co.
HELE-SHAW, pumps, American Engineering Co.
HELMET, steel safety pins, Risdon Mfg. Co.
"HENRICI," glove forms and necktie presses, Henrici Laundry Machinery Co.
HERCULES, extractors, Haring & Stephens Co.
HERCULES, nylon net, Gibraltar Fabrics, Inc.
HERCULES, marking ink, H. Kohnstamm & Co., Inc.
HERCULES, Stoddard solvent and 140° F drycleaning units, washers, Hercules Laundry Machinery Co., Inc.
HERCULES CMC, sizing agent, Hercules Powder Co.
HERMAN, delivery truck body, Herman Body Co.
HERO, fire extinguishers, Bostwick Laboratories
HEV-E, combination oil and gas burner, Cleaver-Brook Co.
HEXAGON, press pads, covers, Stadham Co., Inc.
HEXAMO, prespotter, Riverside Mfg. Co.
HEXIKLOR, synthetic solvent drycleaning detergent, Krasan Products, Inc.
HEXITE, wetcleaning soap, Riverside Mfg. Co.
HEXOL, prespotter, Slater-Robbins Co., Inc.
HEXOLATE, alkali, soap builder, Lewis National Corp.
HI-BASEX A, zeolite, Hungerford & Terry, Inc.
HI-CAP, charge system detergent, Lustrol Drycleaning Products, Div. Patek & Co.
HI-CAP, steam traps, Strong, Carlisle & Hammond Div.
HICORY, soap, flaked or powdered, Los Angeles Soap Co.
HI-ef PURIFIERS, air and steam separators and purifiers, V. D. Anderson Co., Div. International Basic Economy Corp.
HI-FASHION, garment finisher, U. S. Hoffman Machinery Corp.
HIGH-FLASH SHELL-SOL, naphtha petroleum solvent, Shell Oil Co., Inc.
HIGH-SPEED, horizontal curtain drier, drying tumbler, American Laundry Machinery Co.
HI-GRADE, leather belting, cement, dressing, Cornell Belting Co.
HI-HOPPER, belt conveyors, New London Engineering Co.
HI-INVERSAND, zeolite, Hungerford & Terry, Inc.
HI-JET, drycleaning, laundry washer extractor-drier units, W. H. Nicholson & Co.
HILD, rug and carpet shampooing equipment, animal stain remover, Hild Floor Machine Co., Inc.
HILD BRITE, rug and upholstery shampoo, Hild Floor Machine Co., Inc.
HILD SHOWER FEED, rug and carpet scrubbing machine, Hild Floor Machine Co., Inc.
HI-LENE, upholstery drycleaner, Coastal Chemical Corp.
HI-LITE, solvent soluble brightener, Lustrol Drycleaning Products, Div. Patek & Co.
HILO, built low-titer soap powder, Armour & Co., Industrial Soap Dept.
HILO-CHROME, chrome-base bonding mortar, Mexico Refractories Co.
HILOSET, high-temperature bonding mortar, Mexico Refractories Co.
HI-LUSTRE, fur glazing fluid, Bernard Sirotta Co.
HI-PERM, drycleaners press covering kit, F. H. Bonn Co.
HI-SPEED RAIL, monorail and speedrail systems, Time Savers, Inc.
HI-SPEED, washer, Keystone Laundry Machinery Co.
HI-TEST, high-pressure welded boilers, Kewanee Boiler Corp.
HI-TEST, moth spray, Bernard Sirotta Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

HI-TEX, rug and upholstery shampoo, Coastal Chemical Corp.
HI-TONE, non-ionic drycleaning detergent, hi-Tone Soap Co.
HI-V TRIPLEHEAD, new type triple head with split buck, Forse Corp.
HODGES, checking systems, Jack Hodges Specialty Co.
HOFFCO-VAC, portable vacuum cleaner, U. S. Hoffman Machinery Corp.
HOFFMAN, vacuum systems, stills and filters, U. S. Hoffman Machinery Corp.
HOFFMAN, pressing machines (garments), laundry washers, extractors and tumblers, W. H. Nicholson & Co.
HOFFMAN COLLAR MASTER, collar press, W. H. Nicholson & Co.
HOFFMAN EXTRON, stoddard solvent washer-extractors, W. H. Nicholson & Co.
HOFFMAN MASTER JET, stoddard solvent and perchlorethylene cleaning units, W. H. Nicholson & Co.
HOFFMAN VAPO SAVERS, perchlorethylene recovery tumblers, W. H. Nicholson & Co.
HOFF-VAC, pedal-control vacuum spotting board, U. S. Hoffman Machinery Corp.
HOLDAPRES, trouser hanger, B & G Engineering Co.
HOLD-FAST, leather belt dressing, I. B. Williams & Sons
HOLTITE, collar supports, Wormstead, Smith & Loomis, Inc.
HOL-TITE, marking tags, Liberty Marking Tag Co., Inc.
HOLT WHIRLWIND, floor polishers, Holt Mfg. Co.
HOMO-FLEX, hose, belting, Raybestos-Manhattan, Inc.
HONEYCOMB, filter tubes for industrial fluids, gases and compressed air, Commercial Filters Corp.
HONEYWELL, humidity control system, Minneapolis-Honeywell Regulator Co.
HONEYWELL MAGICARE, relative humidity control, conveyor control, temperature control, pressure control, valves, relays, indicator controls, Minneapolis-Honeywell Regulator Co.
HOODCLOR, bleach, Hood Chemical Co., Inc., Crescent Div.
HOOF, automobile and engine governors, Hoof Products Co.
HOOPERWOD, cotton press padding, nets, William E. Hooper & Sons
HOOSIER PEARL, corn starch, National Starch Products, Inc.
HOPE, drycleaning detergents, sizings, repellents etc., Hope Chemical Corp.
HOPE, tapes, belting, Hope Webbing Co.
HOPKINS, washing machines, tanks, Hopkins Equipment Co.
HOPKINS ATOMIZER, spotter, Hopkins Equipment Co.
HOPKINS FILTER, horizontal, bag type filter, Hopkins Equipment Co.
HORN CRETE-FIX, floor resurfacer, A. C. Horn Co., Inc.
HORN DRI-N-TITE, roof coating, A. C. Horn Co., Inc.
HORN FUMEX, fume resistant coating for walls, ceilings, A. C. Horn Co., Inc.
HORNGLAZE, floor wax, A. C. Horn Co., Inc.
HORNOLITH, dustproofer for concrete floors, A. C. Horn Co., Inc.
HORWATH, laundry washers, Horwath Laundry Machine Mfg. Co.
HOT-SPOT, stick type press cleaner, Dello Products Co.
HOTT PATCH, heat-setting high-temperature cement, Ramtite Co.
HOWELL, sump pumps, oil burners, Kol-Master Corp.
HOYT, tumblers, Hoyt Mfg. Corp.
H. & T. MULTIPORT, valve automatic operation, Hungerford & Terry, Inc.
HTH-15, free flowing white powder for sanitizing, deodorizing and disinfecting, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
HUB, laundry marking tags, Boston Clip & Tag Co.
HUBER, overfeed stokers, Flynn & Emrich Co.
HUBINGER COMPOUND, corn starch, Hubinger Co.
HUEBSCH "42," open-end tumblers, Huebsch Originators
HUMIDIGRAPH, direct-reading humidity recorder, Bristol Co.
HURON INSTANT STARCH, combination starch, Huron Milling Div., Hercules Powder Co.
HV-4, air vacuum system, U. S. Hoffman Machinery Corp
HYAL, builders, George Stearns Chemical & Mfg. Co.
HYCON, professional dry bleach, Beach Soap Co.
HYDRAMITE, pumps, American Engineering Co.
HYDRAMIX, drycleaning soap, emulsifier, Edelmuth Mfg. Chemists
HYDRAPHTAL, textile processing agent, E. I. du Pont de Nemours & Co., Inc.
HYDRASOL, wetcleaning Celanese soap, Keystone Aniline & Chemicals Co., Inc.
HYDRAULIC HANDLIFT and FOOTLIFT, trucks, Lewis-Shepard Products, Inc.
HYDRAXFOLDER, small piece folder, Hydraxtor Co.
HYDRAXTOR, extractor, Hydraxtor Company
HYDRAZENE, rust remover, National Cleaners Chemical Mfg. Co.
HYDROPEL, naphtha-soluble waterproofing, National Cleaners Chemical Mfg. Co.
HYDRO-AIR, drycleaning press, Pantex Mfg. Corp.
HYDROBREAK, laundry alkali and soap stripper, Diamond Alkali Co.
HYDRO CLARO, bleach, Lewis National Corp.
HYDROL, drycleaning detergent, Riverside Mfg. Co
HYDROLATE, laundry alkali and soap stripper, Diamond Alkali Co.
HYDROLINE, booster and large condensate return, Peerless Pump Div., Food Machinery & Chemical Corp.
HYDROPEL GB, water repellent, National Cleaners Chemical Mfg. Co.
HYDROSITE, reducing bleach, Nu-Pro Mfg. Co.
HYDROSORB CAKES, solvent purifier, Stamford Chemical Co.
HYFLO, filter aid, Johns-Manville
HYFOAM, detergents, George Stearns Chemical & Mfg. Co.
HYGEA-PINE, pine oil disinfectant, Continental Car-Na-Var Corp.
HYGRADE, plastic buttons, Hygrade Button & Supply Co
HY-LO, blanket washer, American Laundry Machinery Co.
HYPAC, bleach, Lewis National Corp.
HY-SET, high temperature boiling mortar, Mexico Refractories Co.
HY-SOL, synthetic rubber protective gloves and aprons, Charleston Rubber Co.
HY-SOL, soap builders, Thompson-Hayward Chemical Co.
HYSPAR, aluminum and white enamel underpaint, Midland Paint & Varnish Co.
HY-SPOT, substitute for chloroform, Slater-Robbins Co., Inc.
HYSWEET, new sweetener for use with charged system, Johns-Manville
HYTEMPITE, high-temperature bonding mortar, Quigley Co., Inc.
HYTEXAL, built tallow soap, Allen B. Wrisley Co.
HY-TUF, alloy steel, Crucible Steel Co. of America
HY-V AIR JET, high-velocity concentrated cooling fan, DeBothezat Fans Div., American Machine & Metals, Inc.
HYWHITE, blue, Speare Co.
HY-WITE, laundry soap, H. Kohnstamm & Co., Inc.

I

I.D.N., iodine stain remover, Package Chemical Co., Inc.
IMO, rotary pump, De Laval Steam Turbine Co.
I-R, liquid spotter for ink stain removal, Caled Products Co., Inc.
I-R-C, lightweight insulating refractory castable and concrete, Mexico Refractories Co.
I.S., press clamp, slip chain, racks, Ink-O Products Co.
IXL, laundry soaps, Fry Bros. Co.
IDEAL, filter paste soap, National Cleaners Chemical Mfg. Co.
IDEAL, grease cups, Lunkenheimer Co.
IDEALITE, non-glare neon-type light, Ideal Lighting Co., Inc.
IDEAL STYLE A, laundry washer, American Laundry Machinery Co.
IGEPALS, synthetic detergents, General Dyestuff Corp.
IGEPONS, synthetic detergents, General Dyestuff Corp.
ILG, centrifugal and propeller fans, unit heaters, Ilg Electric Ventilating Co.
IMCO, drycleaning presses, press head cleaners, puffers, spotting boards and tables, valves, Intercontinental Mfg. Co., Inc.
IMPACTOR, valves handwheels, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
IMPERIAL, asbestos pipe covering and blocks, Ruberoid Co.
IMPERIAL, chest-type ironer, Imperial Laundry Machinery Co.
IMPERIAL 90, synthetic drycleaning unit, Prosperity Co., Div. Ward Industries Corp.
IMPREGNOLE, water repellent, Warwick Chemical Co.
INCO, metal castings, fittings, tubings, nickel alloy fittings, castings, etc., International Nickel Co., Inc.
INCONEL, alloy of nickel and chromium, International Nickel Co., Inc.
INDEL-O-MARK, indelible automatic marking pen, Mark-O Corp.
INDIAN, laundry soap, North Coast Chemical & Soap Works
INDUSTRIALITE, laundry soap, New South Mfg. Co., Inc.
INDUSTRIAL, fabric conditioner for wetcleaned garments, Namco Chemical Corp.
INDUSTRIAL, neutral soap chips and powder, Armour & Co.
INEX, laundry rinsing aid, H. Kohnstamm & Co., Inc.
INGERSOLL-RAND, compressors, blowers, pumps, Ingersoll-Rand Co.
INGRAIN, laundry starch, Industrial Grain Products, Ltd.
INKEX, writing ink remover, Patek & Co.
INK-GO, liquid oxidizing agent, A. L. Wilson Chemical Co.
INK-O, spotting aid, Ink-O Products Co.
INK-O-CIDE, ink remover, Coastal Chemical Corp.
INK-TWINS, wet or dry side spotters, Rusco Chemicals
INNER-FIN, cooling unit, Dunham-Bush, Inc.
INNER-PACK, steel split repair sleeves, Dresser Mfg. Div., Dresser Industries, Inc.
INSTANT, moth killer, Berlou Mfg. Co.
INSTANT GRAB TAPE, carpet seaming tape, J-G Chemists
INSTITUTIONAL, fabric preservative, conditioner, Namco Chemical Corp.
INSTITUTIONAL, starch, A. E. Staley Mfg. Co.
INSTANT, tannin stain remover, Rusco Chemicals
INSULAG, plastic refractory lagging and finishing material for high-temperature equipment, Quigley Co., Inc.
INSULBRIX, insulating firebrick, Quigley Co., Inc.
INSULCRETE, refractory material, Quigley Co., Inc.
INTERCHANGEABLE ASSEMBLY, F. W. I. assemblies of various types guaranteed for two years, Gibraltar Fabrics, Inc.
INTERMATIC, time controls, International Register Co.
INTERNATIONAL, chemical mixing machinery, tanks, International Engineering, Inc.
INTERNATIONAL, garment bags, International Paper Co.
INTERNATIONAL, trucks, diesel and gasoline engines, International Harvester Co., Motor Truck Div.
INTERSUDS, soap, H. Kohnstamm & Co., Inc.
INVADER, pumps, Schrimer-Dornbirer Pump Co.
INVERCARB, zeolite, Hungerford & Terry, Inc.
INVERSAND, water-softening minerals, water softeners, Hungerford & Terry, Inc.
INVINCIBLE, industrial vacuum cleaners, Invincible Vacuum Cleaner Mfg. Co.
IN-WEAVING, reweaving, In-Weaving Co. of America
IODASE, iodine stain remover, Greenville Chemical Co.
IONETTE, wet spotter and penetrant, Krasen Products, Inc.
IPCO, safety equipment, Industrial Products Co.
IRI-ZON, germicidal sour, Speedlite Chemicals Co., Div. Patek & Co.
IRON CITY, duck cover, Pittsburgh Waterproof Co.
IRONER OIL, improvement over wax, Eaton Chemical & Dyestuff Co.
IRON FIREMAN, stokers, gas and oil burners, Iron Fireman Mfg. Co.
IRONOIL, ironing surface lubricant, Patek & Co.
IRON OILITE, machine parts lubricating bearings, Amplex Div., Chrysler Corp.
IROQUOIS, safety pins, Risdon Mfg. Co.
IROQUOIS, soap, Lewis National Corp.
ISO-THERM, hot water heating system, Fred H. Schant Engineering Co.
ITSTIX, gummed tape, Nashua Corp., Sure-Hold Div.
IVORY, neutral soap, Procter & Gamble Distributing Co.

J

J.F.S., variable speed reducers, Stephens-Adamson Mfg. Co.
J-M, packings, gaskets, etc., Johns-Manville
JACKSON SOLVAIR COOLER, solvent cooler, Samuel Jackson Mfg. Co.
JACOBSON, wholesale garment dyer, flameproofing, Lawrence Jacobson Dye Works, Inc.
JANET, necktie presses, glove forms, Henrici Laundry Machinery Co.
JAN-I-SAN, platform type collector cart for soiled linen or laundry, Paul O. Young Co.
JAXON, laundry presses, Pinnacle Products Corp.
JAY BEE, super-duty firebrick, Mexico Refractories Co.
JAY-DEE, fur stretcher, fur and leather softener, mothproofing liquid, Jay-Dee, Inc., Mfg. Chemists
JAYSONET, nylon nets, Jayson's-Div. Jayson Silk Mills
JAYTEX, press pads and covers, nylon, Jayson's-Div. Jayson Silk Mills
JEFFERSON ISLAND, salt, Jefferson Island Salt Co., Inc.
JEFFERSON THOROBRED, wood and metal laundry and drycleaning washers, Laundry Machinery Div., Jefferson Wood Working Co.
JET, drycleaning equipment, W. H. Nicholson & Co.
JET FIRE, (Hammond) gas laundry tumbler, Hammond Laundry-Cleaning Machinery Co.
JET-IMPERIAL, built detergent-germicidal deodorant, Armour & Co., Industrial Soap Dept.
JETINE, marking ink, H. Kohnstamm & Co., Inc.
JET SELFEED, dispenser for filter powder and activated carbon, Infilco, Inc.
JETVERTIZER, wrapping paper printer and dispenser, J. J. Connolly, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

JETVEYOR, steam jet ash conveyor, Brady Conveyors Corp.
JEWELITE, match books, Universal Match Corp.
J-G BONDER, glue to lay tackless stripping, J-G Chemists
JIFFY, cuff and pocket brusher, bagging devices, bag racks, Medalie Mfg. Co.
JIFFY, puff irons, Columbia Laundry Machinery Co.
JIFFY, sock turner, Time Savers, Inc.
JIFFY SORTERS, sorting hooks with clip attached, Frank B. Smith Co.
JIFFY-STICK, ink remover, National Cleaners Chemical Mfg. Co.
JIFFY STRETCHER, drapery finisher, Kleen Hamper, Inc.
JIF-TY, press covers and pads, Tingue, Brown & Co.
JOHN HANCOCK, marking pens, Samuel Taubman & Co.
JOHNSON, flexible metal hose, Johnson Metal Hose, Inc.
JOHNSON, ironer oil, liquid stripper, Johnson Chemical Industries, Inc.
JOHNSON, rotary pressure joints, steam water heater, compressed-air separators, compressed-air aftercoolers, high-temperature boiler feed system, solenoid valves, automatic boiler water controls, Johnson Corp.
JOHNSON, horizontal steam generator for gas, oil or combination gas and oil firing, Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
JOHNSTON, steam boilers, Johnston Bros., Inc.
JOINT-SEAL, anti-seize, joint seal and clean-out plug compound, Armite Laboratories
JOMAC "54", scorch-resistant fabric, Jomac, Inc.
JOMAC 24 K, golden yellow starch resistant press padding, Jomac, Inc.
JORDAN VALVES, industrial regulators, Jordan Corp.
JUMBO, metallic wool padding, International Steel Wool Corp.
JUMBO, press pads for laundry and drycleaning industry, Keever Starch Co.
JUMBO, net pins, Risdon Mfg. Co.
JUMBO FLAN-O-WOOL, flatwork ironer padding, Keever Starch Co.
JUNIOR, extractor, Fletcher Works, Inc.
JUNIOR, net pins, Keyes-Davis Co.
JUNIOR CASCADE, laundry washer, American Laundry Machinery Co.
JUNIOR CHALLENGER, washer, Miller Laundry Machinery Co.
JUNIORETTE LAUNDRY, small laundry unit, American Laundry Machinery Co.

K

K & B, barrels, bins, boxes, buckets, cabinets, chutes, cylinders, guards, stocks, tanks and ventilating systems, Kirk & Blum Mfg. Co.
K.B., soap powder, sour, Kliegman Bros., Inc.
KCX, 4% single bath charge detergent, Keystone Aniline & Chemical Co.
KC4X, 1% single bath charge detergent, Keystone Aniline & Chemical Co.
K-D, net pins, identification systems, marking pins, Keyes-Davis Co.
K.O.P., coco-potash soap, Armour & Co.
K & T, valves, Klipfel Mfg. Co.
K-V, heavy fluid lubricant, Keystone Lubricating Co.
KAL, chlorine bleach, bluing, ammonia, detergent powdered form in individual envelopes, Kaleen Chemical Corp.
KANE, gas-fired steam boilers, Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
KAN KIL, insecticide, Colgate-Palmolive Co.
KANTARK, non-renewable fuses, Trico Fuse Mfg. Co.
KANT FALL, spur rolls to attach to rug beater, Moore's Time-Saving Equipment, Inc.
KARAGAMI, powdered wax, refined wax, Concord Chemical Co., Inc.
KAR BAR, auto garment rack, Keyes-Davis Co.
KARDEX, visible records files, Remington Rand Inc.
KARGO-KING, aluminum-alloy van panel truck bodies, J. B. E. Olsen Corp.
KARPET-KARE, carpet cleaner, Bigelow-Sanford Carpet Co.
KARRY KIT BOXES, Package Masters, Inc.
KATOLIGHT, generators, light plants, Kato Engineering Co.
KAY-BEE, cover cloth, Kliegman Bros., Inc.
K-B1, break alkali, Laundry Chemicals Co.
K-BRITE, drycleaning soap, H. Krevit & Co., Inc.
KC-46, simplified file system for handling charge accounts, Automatic Salesbook Co.
KDK KLOTH, covering for press and flatwork, R. Lally Co.
KECKLEY, steam and liquid control equipment, O. C. Keckley Co.
KEE, zippers and slide fasteners, Kee Zipper Corp.
KEEDOL, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.
KEELER CP, boilers, E. Keeler Co.
KEEN AIR DISHNER, odor absorbent, diaper can deodorant, fumigant, Keystone Chemical Co.
KEE-STAR, corn starch, Keever Starch Co.
KEEVER, rug and carpet size, Keever Starch Co.
KEEVER CLEANER, cleaner for metal sleeve form and press, Keever Starch Co.
KEKO, moth-repellent garment storage bags, Kennedy Car Liner & Bag Co., Inc.
KELCO, drop box, thru-the-door receiver, Kelco Engineering Ltd.
KELCO, cutting oil, Keystone Lubricating Co.
KELLER RUG CEMENT, rug cement, J-G Chemists
KELLEY, heat reclaimers, hot-water heaters, storage heaters, Patterson-Kelley Co., Inc.
KELLOGG-AMERICAN, air compressors, paint spray equipment, American Brake Shoe Co., Kellogg Div.
KELMAKER, pressure filters, vacuum traps, sight-glass assemblies, Kelmaker Mfg. Co.
KELSO BLANKET FLUFFER, blanket carding machine, G. A. Braun, Inc.
KEM PRO, nylon cover cloths, Whitehouse Nylon Products
KEN-BLEACH, dry laundry chlorine bleach, Kenco Chemical Co., Inc.
KENCO MOTH SPRAY, moth repellent, Kenco Chemical Co., Inc.
KENCO SUPER CHARGE, all charge systems, Kenco Chemical Co., Inc.
KEN DDZ, synthetic drycleaning machine, John W. Young
KENITE, diatomaceous earth filter powder, Kenite Corp.
KENNEDY, paper bags, Kennedy Car Liner & Bag Co., Inc.
KENNEY, water softeners, filters, zeolite, Kenney Softener & Filter Co.
KENOO, powder synthetic wetcleaning detergent and water softener, Keystone Chemical Co.
KENT, industrial vacuum cleaners, floor machines, Kent Co., Inc.
KENTUCKY, trucks, dollies, boxes, Kentucky Box & Truck Co.
KERODEX, protective hand cream, Ayerst, McKenna & Harrison
KETOS, tool steel, Crucible Steel Co. of America
KEWANEE, heating boilers, power boilers, storage water heaters, steel tanks, water heating garbage burners, Kewanee Boiler Corp.
KEY KLEEN, liquid wetcleaning detergent and oil soap, Keystone Chemical Co.
KEY-LOK, brake blocks, Raybestos-Manhattan, Inc.
KEYLUBRIC, air tool lubricant, Keystone Lubricating Co.
KEYPROOF, combination flameproofing and mothproofing agent, Keystone Chemical Co.
KEYSO, drycleaning soap, G & G Chemical Co.
KEYSPRAY, mothproofing agent and insecticide, Keystone Chemical Co.
KEYSTONE, alkalis, Swift & Co.
KEYSTONE, extractors, Keystone Laundry Machinery Co.
KEYSTONE, hat sizing, Keystone Aniline & Chemical Co., Inc.
KEYSTONE, leather soap and liquid glove soap, nail polish remover, white kid glove bleach, Keystone Aniline & Chemical Co., Inc.
KEYSTONE, steam generator, Erie City Iron Works
KEYSTONE, washable service apparel, Keystone Coat & Apron Mfg. Corp.
KEYSTONE, wax spot remover, Keystone Lubricating Co.
KEYSTONE DRI-KLEEN, spot remover, Keystone Chemical Co.
KEY-TAG, automatic mechanical identification system, Key-Tag Checking System Co.
KEY-TEX, filter soap, G & G Chemical Co.
KEYTEX, CONC, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
KEYTHOL, deodorizing machine and scent blocks, Keystone Scent Conditioner Corp.
K-5, laundry soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
K-51, alkali, Kenco Chemical Co., Inc.
K-555, low-temperature soap powder, Laundry Chemicals Co.
K-411, boiler stew, to remove scale deposit, National Chemical Sales Co., Laboratory, Inc.
KIDDE, fire extinguishers, Walter Kidde & Co., Inc.
KIDDYKOLOR, garment bags, Kennedy Car Liner & Bag Co., Inc.
KILLARNEY, laundry blue, Patek & Co.
KIL-ODE, odorless deodorant, Warco Laboratories, Inc.
KING BEE, paint, oil and grease remover, Dello Products Co.
KING-CLIP, gate valve, Lunkenheimer Co.
KIRK'S, spray guns, formers, finishers, Kirk's Leather Cleaners
KISCO, boiler room equipment, Kisco Boiler & Engineering Co.
KITAGUNI, Japan wax, Strohmeyer & Arpe Co.
KLAMP-ON, pin sets, Moore's Time-Saving Equipment, Inc.
KLEANMORE CONCENTRATE, graphite treatment for boiler scale removal, Kleanmore Laboratories, Inc.
KLEANWELL, oil soap, Minnesota Chemical Co.
KLEENAP, rug detergent, H. Kohnstamm & Co., Inc.
KLEEN-EM, slightly alkaline soap containing powder and optical bleach detergent, Bigelow Chemical Products Corp.
KLEENFLO, activated sweetener powder, L. A. Salomon & Bro.
KLEEN HAMPER, bundle depository, Garment Finishing Equipment Corp.
KLEENO-PAD, flatwork ironer cleaner pad, Resillo Press Pad Co.
KLEEN PAK, drycleaners' bags, Diem & Wing Paper Co.
KLEEN-RITE, coconut-oil soap, National Cleaners Chemical Mfg. Co.
KLEEN SHEEN, paste rug soap, Adco, Inc.
KLEEN SUDS, soap, Lewis National Corp.
KLEENSTAT, ironer oil, Gibraltar Fabrics, Inc.
KLEENTEST, moisture dispersing agents for charged system, dry cleaning soaps Kleentest Laboratories
KLEENWELL, flatwork ironer cleaner, R. Lally Co.
KLEERVU, safety eye guard, gauge-glass protector, Wright-Austin Co.
KLEER-WITE, no rinse detergent, Marclene Chemical Corp.
KLENEASE, liquid wetcleaning soap, Caled Products Co., Inc.
KLERA-CID, laundry sour, Wyandotte Chemicals, Corp., J. B. Ford Div.
KLEX, pumice soap, Colgate-Palmolive Co.
KLIEGBILT, alkali, break powder, Kliegman Bros., Inc.
KLIEGSPUN, nets, cover cloth, Kliegman Bros., Inc.
KLIEGWEAVE, nets, Kliegman Bros., Inc.
KLIKIT, snap fastener service kit, Kaycrest Products
KLING "100", laundry and drycleaning tumblers, Kling "100" Corp.
KLIPLOK, clamps for fuse clips, test clamps, Trico Fuse Mfg. Co.
KLIP-ZIT, drier clips, Time Savers, Inc.
K-LIQUID SOAP, liquid soap, Laundry Chemicals Co.
KLIX, paint remover, Nu-Pro Mfg. Co.
KLORGENT, synthetic soap, G & G Chemical Co.
KLOR-LENE, spotting solution with chloroform action, Davies-Young Soap Co.
KLORO, liquid detergent for use with synthetic solvent units, Adco, Inc.
KLOTHES-KADDY, Kleen Hamper, Inc.
K-MASTER, steam traps, air filters, blowdown valves, Kaye & MacDonald, Inc.
K-MONEL, heat-treating alloy, International Nickel Co., Inc.
KM-129, odor absorber, deodorant, disinfectant, fumigant, synthetic detergent, chemical water conditioner, Keystone Chemical Co.
KNACK, heavy duty laundry builder, Speedlite Chemicals Co., Div. Patek & Co.
KNIGHT-WARE, acid-proof chemical stoneware, Maurice A. Knight
KNITTED PADDING, press pads, Knited Padding Co.
KNITTED TOP PEERLESS, nylon net, Gibraltar Fabrics, Inc.
KNOTLOCK, laundry nets, New York Net Co.
KOBO, order neutralizer, spotting board, Eaton Chemical & Dyestuff Co.
KOKO, liquid wetcleaning soap, Adco, Inc.
KOKOWET, wetcleaning soap, Stadham Co., Inc.
KOLD, sour, Minnesota Chemical Co.
KOLITE, cold-water built soap, John T. Stanley Co., Inc.
KOL MASTER, stokers, Kol-Master Corp.
KOLORCARDS, direct-mail customer control system, Reba Martin, Inc.
KOLORTEX, industrial soap, Allen B. Wrisley Co.
KOMET, synthetic drycleaning machine, 50# per load, Vic Mfg. Co.
KOMO, blues, ironer oil, Minnesota Chemical Co.
KOMONOL, organic detergent, Minnesota Chemical Co.
K-122, soap builder, Laundry Chemicals Co.
KON-NEC-TOR, mercury switch, General Electric Co.
KOOL-PRESS, press head covers, Hobade Associates
KORDITE, transparent, reusuable, plastic mothproof storage bags, delivery, shirt, sweater and blanket bags, Kordite Co., Div. Textron, Inc.
KORO, filter detergent, Nu-Pro Mfg. Co.
KOROLA, French-cuff fastener, Boston Clip & Tag Co.
KOSMETEX, spotter for cosmetic stains and liquors, Patek & Co.
KOWAXO, ironer wax, H. Kohnstamm & Co., Inc.
KOYLON, foam pressing pads, U. S. Rubber Co., Koylon Div.
KRAN-MER, dyeing, Kran-Mer Corp.
KRASAN CLEAR CHARGE, charged system drycleaning detergent, Krasan Products, Inc.
KRESTVIC, synthetic drycleaning machine, 20-25# per load, Vic Mfg. Co.
KREX, hand cream for relieving burns, cuts, etc. Caled Products Co., Inc.
KROM-NOX, mercurochrome remover, Warco Laboratories
KROMOAK, leather and waterproof leather belting, Charlotte Leather Belting Co.
KROMOTAN, leather and waterproof leather belting, Charlotte Leather Belting Co.
KRYOLITE, enzymatic digester, Coastal Chemical Corp.
K618, charge soap, Huntington Laboratories, Inc.
K-SOLVENT, detergent for industrial wetwash, Laundry Chemicals Co.
K-333, built soap powder, Laundry Chemicals Co.
KUFTACKER, stapler for trouser cuffs, Bostitch, Inc.
KUNKLE, safety and relief valves, Kunkle Valve Co.
KURB-SIDE, motor truck bodies, J. B. E. Olson Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

KWICK BLEACH, fluorescent bleach, Eaton Chemical & Dyestuff Co.
KWICK-SET, collar support, strips, Empire Cardboard Corp.
KWIK CHANGE, cover and iron springs, Time Savers, Inc.
KWIK FILE, filing system, Automatic Salesbook Co.
KWIK-KLIP, skirt and pants clip, Commercial Tag Co.
KWIK-KOVERS, garment hanger shield, Kwik-Kover Sales Co.
KWIK ON, rug stretching bars, Moore's Time-Saving Equipment, Inc.
KWIK-SET, bag and net holders, Time Savers, Inc.
KWIK SET, washing-machine timer, H. C. Thompson Clock Co.
KWIK-TAG, paper and cloth marking tags, Kwik-Kover Sales Co.
KWIK TWISTS, hanger combiners, Gibraltar Products Co.
KWK VOLCLAY, bentonite clay, American Colloid Co.
KYRO AC, synthetic detergent, Procter & Gamble Distributing Co.
KYRO EO, nonionic synthetic detergent, Procter & Gamble Distributing Co.

L

LDT, tumblers, laundry — drycleaning, Western Laundry Machinery Co.
L. M. C., pumps, Lubbock Machinery Co., Inc.
L-N, sour, tags, Lewis National Corp.
"LP." steam connectors, Universal Metal Hose Co.
L-S, leather-suede drycleaning soap, Caled Products Co., Inc.
L.S.R., lipstick remover, West Side Corp.
LST, laundry steam tumblers, Western Laundry Machinery Co.
LA BELLE, agricultural disc steel, Crucible Steel Co. of America
LABOR MISER, metal button and thread racks, button bins and large spools of thread, Labor Miser Co.
LACLEDE, grates, stokers, Laclede Stoker Co.
LACQUERSOL, spotting agent, Nu-Pro Mfg. Co.
LA-DOWN STAIZ, collar supports, Time Savers, Inc.
LA FRANCE, fire extinguishers, American-La France-Foamite Corp.
LAIDLAW, hangers, W. A. Laidlaw Wire Co.
LALLYTEX, steel wool press pads, R. Lally Co.
LAM-TEX, sponge press pads, rubber floor mats, Pittsburgh Tag Co.
LANE, canvas baskets, trucks, bodies and hampers, W. T. Lane & Bros., Inc.
LANEM, lanolin emulsion cone, ammonia, Tower Chemicals, Inc.
LANICO, wetcleaning soap, Dello Products Co.
LANI-TEX, press pads, floor mats, Pittsburgh Tag Co.
LANO LUSTRE PROCESS, suede and leather cleaning and refinishing, Lano Lustre Suede & Leather Co.
LANO-SHEEN, fabric conditioner, blanket and rug soap, Kleentest Laboratories
LAPELETTES, lapel protectors, M. H. Gronauer Co.
LAQUERSOL, lipstick and nail polish remover, Nu-Pro Mfg. Co.
LARTON, assembly hooks, sorters, Larton Products Co., Inc.
LASCO, liquid coconut oil, soap builder, Los Angeles Soap Co.
LATCO, boilers, P. M. Lattner Mfg. Co.
LATHEM, time recorders, watchmen's clocks, Lathem Time Recorder Co.
LATHEM "SENTRY", watchman's clock, Lathem Time Recorder Co.
LATHEM "VANGUARD", watchman's clock, Lathem Time Recorder Co.
LATHERINE, rug shampoo, Continental Car-Na-Var Corp.
LATTNER, boiler feed pumps and return systems, P. M. Lattner Mfg. Co.
LAUNDERETTE, automatic washing machine, Philco-Bendix
LAUNDERLOC, recording washwheel thermometer, water level recorder, Foxboro Co.
LAUNDERLUXE, high phosphate laundry soap, New South Mfg. Co., Inc.
LAUNDR-EEZ, synthetic detergent, Thompson Chemical Co.
LAUNDRITE, starch, Clinton Foods
LAUNDRITE, washers and extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.
LAUNDROMAT, automatic washing machine, Westinghouse Electric Corp.
LAUNDRO-PAD, pre-cut for laundry presses, Arrow Mfg. Co.
LAUNDRY COMPOUND, soap builder, Solvay Sales Div., Allied Chemical & Dye Corp.
LAUNDRY SODA, special cleaner, Solvay Process Div., Allied Chemical & Dye Corp.
LAUNDRY SOUR, acid material for neutralizing, Turco Products, Inc.
LAUNDRY SOUR, sours, Diamond Alkali Co.
LAUNETTE, built soap, Procter & Gamble Distributing Co.
LAUNETTE SPECIAL, low sudsing built detergent, Procter & Gamble Distributing Co.
LAUNSO, medium pH built soap, E. F. Drew & Co., Inc.
LAVEKOL, spot washing, General Dyestuff Corp.
LAVOX, machinery enamel, Pittsburgh Plate Glass Co., Paint Div.
LAWSON, pulleys, hand trucks, wheels, casters, Menasha Wood Split Pulley Co.
LAYCO, garment hanger, Star Service Hanger Div., L. A. Young Spring & Wire Corp.
LAYNE, vertical turbine pumps, water treatment and conditioning equipment, water well supplies, Layne & Bowler, Inc.
LAYTITE, floor coating, Steelcote Mfg. Co.
LAZY SUSAN TRAY, wet bundle sorter, Rosenthal Mfg. Co.
LE ANN, fur repair and remodeling services, Le Ann Fine Furs
LEATHERFAST, suede leather dye, Keystone Aniline & Chemical Co., Inc.
LEATHER-LIFE, leather dressing, Nycco Products Co.
LEATHER-LUSTRE, smooth-leather colors, Keystone Aniline & Chemical Co., Inc.
LEATHER SOAP, leather cleaning and glove soap, Spix Products Co.
LECTRICK-ICE, water cooler, Uniflow Mfg. Co.
LED, liquid enzyme digester, Signal Chemical Mfg. Co., Inc.
LED-PLATE, thread and gasket paste, Armite Laboratories
LEEBAW, counter conveyor, industrial trucks, Leebaw Mfg. Co.
LEEF, flexible forms, Leef Bros., Inc.
LEFFEL, automatic underfeed stokers, steam boilers, James Leffel & Co.
LENACO, baskets, bleaches, blues, ink, ironer oil, pads, flannels, press covers, cement, Lewis National Corp.
LENACO NO-SAG, tumbler pads, Lewis National Corp.
LENASOL, disinfectant, Lewis National Corp.
LENO, nylon net, Iselin-Jefferson Co., Inc.
LEPRECHAUN MIST, suede dressing, Leprechaun, Inc.
LESLIE, controls and regulators, pumps, valves, Leslie Co.
LESO, leather soap, Nu-Pro Mfg. Co.
LESTOIL, liquid synthetic detergent, Lestoil Inc., Subs., Adell Chemical Co.
LETHOL MOTH FUMIGANT, insecticide, Mortemoth Chemical Laboratories
LEVELENE, textile dyeing assistants, American Aniline Products, Inc.
LEVELENE FGD, color-setting liquid, American Aniline Products, Inc.
LEVELOL, stripper, Eaton Chemical & Dyestuff Co.
LEVELOL, prespot leveling agent, Stamford Chemical Co.
LEVELON, blue, H. Kohnstamm & Co., Inc.
LEVELON, moisture leveler and neutral spotting base, National Cleaners Chemical Mfg. Co.
LEVER FORMULA 770, 777, 880, all-purpose granules, mild flakes, heavy detergents, Lever Brothers Co.
LEVER LIQUID DW 300, light duty synthetic detergent liquid, Lever Bros., Co.
LEVER SOAP, high-titer chips, granules, Lever Brothers Co.
LEWIS, baskets, trucks, G. B. Lewis Co.
LEWIS, rug binding machines, Lewis Invisible Stitch Machine Co.
LEXARD, milled toilet soap, Swift & Co., Industrial Soap Dept.
L-4008, laundry starch, Clinton Foods Inc.
LIBERTY, fiber tag material, marking tags, Liberty Marking Tag, Inc.
LIFE FOR FABRICS, water repellent and fabric conditioner, Franklin Research Co.
LIFETIME LINEN TAPE, mending tape, Hughes Co.
LIFETIME MOTHPROOFING, moth repellent, Sibur Mothproof Co.
LIFE-TUBE, ball-bearing pillow blocks and flange units, T. B. Wood's Sons Co.
LIFT, promoted synthetic detergent, Lustrol Drycleaning Products, Div. Patek & Co.
LIFTVEYOR, inclined belt conveyor, Mechanical Handling Systems, Inc.
LIGHTER METHOD, laundry packages, Sutherland Paper Co.
LIGHT-LOADER, belt conveyors, New London Engineering Co.
LIGHTNING BLEACH, fast acting wool bleach, Lustrol Drycleaning Products, Div. Patek & Co.
LIGHTNING, drycleaning, fur and upholstery cleaning compounds, Mortemoth Chemical Laboratories
LIGHTNING, water-repellent dip tank, Hopkins Equipment Co.
LIME-SOLV, rinsing aid, H. Kohnstamm & Co., Inc.
LINCOLN, rug and carpet redyeing, Lincoln-Hudson Rug Dyers, Inc.
LINDY, drycleaning and laundry marking pens, Lindy Sales Co.
LINEN, laundry sour, Keever Starch Co.
LINK-BELT, chains, conveyors, power transmission machinery, Link-Belt Co.
LINN, special bodies, delivery trucks, Linn Coach & Truck Div., Great American Industries, Inc.
LINOL, disinfectant, Lincoln Research, Inc.
LINT-EX, de-linting compound, Dixo Co., Inc.
LINTROL, dry size anti-static compound, Stamford Chemical Co.
LION-BILT, work uniforms, Lion Uniform Co.
LIP-I-CATER, lipstick and lacquer remover, W. F. Johnson Products Co.
LIPOFF, cleaning compounds, Mortemoth Chemical Laboratories
LIPSTICK-MUV, lipstick remover, Package Chemical Co., Inc.
LIQUA-BREAK, washroom detergent, Davies-Young Soap Co.
LIQUA-PEL, weatherproof, Edelmuth Mfg. Chemists
LIQUID BLUE "G," blue, Diamond Alkali Co.
LIQUID BLUE, H. Kohnstamm & Co., Inc.
LIQUID BLUE "B," blue, Diamond Alkali Co.
LIQUID DRICLENE, drycleaning detergent, Armour & Co.
LIQUID-LITE, liquid brightener, laundry, Tower Chemical, Inc.
LIQUID MILEAGE, laundry blue, Keever Starch Co.
LIQUID MORTEMOTH, insecticide, Mortemoth Chemical Laboratories
LIQUID REGAL, anionic neutral liquid syndet, Armour & Co., Industrial Soap Dept.
LIQUIVATOR, condensate return system, Morehead Mfg. Co.
LIQUOR CHLOROXYLENOLIS, disinfectant, Lincoln Research, Inc.
LISTMAKER, listing machines, National Marking Machine Co.
LITTLE BOLT, pocket material, B. & G. Lieberman Co., Inc.
LITTLE CHIEF, pumps, Fairbanks, Morse & Co.
LITTLE GIANT, air vacuum, Electronic Machine Co.
LITTLE GIANT, water spray gun, Stebbins Mfg. & Supply Co.
LITTLE GIANT AIR VAC, air vacuum system, Excelsior Machinery Co.
LITTLE JOE, adjustable garment hanger, Keyes-Davis Co.
LITTLE SCOTCHMAN, Scotch marine boilers, U. S. Hoffman Machinery Corp.
LITTLE WARRIOR, metal washer, Illinois Laundry Machinery Mfg. Co.
LITTLE WONDER, electric whiskbrush machine, American Pressboard Co.
LIVE OAK, leather transmission belting, Eagle Belting & Leather Co.
LIXATE, rock-salt dissolver, International Salt Co., Inc.
L. N. 4, spotter and stripper, Lewis National Corp.
LOAD-KING, laundry and drycleaning tumbler, Hoyt Mfg. Corp.
LOADTROL, reclaimer, Hoyt Mfg. Corp.
LOCK END, trouser guards, necktie forms, Paulin Products Co.
LODESTAR, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
LO-DOOR MAMMOTH CASCADE, laundry washer, American Laundry Machinery Co.
LOEBL, garment, rug redyeing, Loebl Dye Works, Inc.
LOGIK, soap builder, Minnesota Chemical Co.
LO-HED, hoists, car pullers, American Engineering Co.
LOK-TITE, marking tags, Liberty Marking Tag Co., Inc.
LO-MAINTENANCE, electric motors, Allis-Chalmers Mfg. Co.
LONGBOY, cotton nets and flatwork ironer apron, Carson Textile Co.
LONGLIFE, ironer aprons, ironer ribbons, Tingue, Brown & Co.
LONGWEAR, F. W. I. aprons, Tingue, Brown & Co.
LOOKOUT, steel steam power boilers, Lookout Boiler & Mfg. Co.
LO-SET, high temperature mortar, Mexico Refractories Co.
LOSET, stokers, Canton Stoker Corp.
LOSTOKER, boiler stoker, Detroit Stoker Co.
LOT SYSTEM TAG-O-MATIC, marking machine for lot system identification, Textile Marking Machine Co., Inc.
LOUDEN, conveyors, cranes, hoists, Louden Machinery Co.
LOVELY ON, aerosol deodorant, Fumol Corp.
LOX-STRIP, collar supports, Time Savers, Inc.
LOYAL, automatic starcher, Armstrong Machinery Co.
LOYAL, pressing machines, vacuum systems, starching machines, Loyal Textile Machinery Corp.
LT 60, built red oil soap, Allen B. Wrisley Co.
LT-252, protein digester, Pabst Brewing Co., Industrial Products Div.
LT-253, protein digester, Pabst Brewing Co., Industrial Products Div.
LUBEFLEX, starch aid lubricant, Hood Chemical Co., Inc., Crescent Div.
LUB-N-WAX, powdered ironer wax, Speare Co.
LUBRI-KLEEN, lubricating agent for ironers and presses, Paper Chemicals Co.
LUECKE, drapery pleat-folder, steam vacuum table, stretcher, topper, hangers (shop) and general use, Luecke Drapery Pleating Machine Co.
LUMAR, textile softener powder, Marlyn Chemical Co., Inc.
LUNKENHEIMER, valves, boiler mounts, lubricators, grease cups, gauges, etc., Lunkenheimer Co.
LUSE'S LO-SUDS, synthetic detergents, Wm. K. Luse & Co.
LUSTERETTE, portable fur ironing and glazing machine, Reliable Fur Storage Equipment Co., Div. Reliable Machine Works, Inc.
LUSTER FIXE, sour, H. Kohnstamm & Co., Inc.
LUSTER-ON, fur glaze, Nycco Products Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

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LUSTER-PLATE, press plate for silks, Bishop David Freeman Co.
LUSTERSUDS, soap, H. Kohnstamm & Co., Inc.
LUSTERWAY, drycleaning system for franchise basis, McCleary Associates, Inc., and/or Root & Co.
LUSTERWAY COMPOUND, fur cleaning sawdust, Root & Co.
LUSTERWAY FORMULA, fur conditioner and glaze, Root & Co.
LUSTERWAY SOLVENT, fur cleaning solvent, Root & Co.
LUSTOL, products for drycleaning, Patek & Co., Lustrol Drycleaning Products Div.
LUSTRALL, liquid synthetic cleaner, National Cleaners Chemical Mfg. Co.
LUSTRE SEAL, floor sealing and repair material, Keystone Chemical Co.
LUSTRO-KLEEN, liquid wetcleaning soap, Slater-Robbins Co., Inc.
LUSTRON, flatwork ironer, American Laundry Machinery Co.
LUX FLAKES, pure soap, Lever Bros., Co.
LUXOL, starch lubricant, E. F. Drew & Co., Inc.
LUXOR PLASTIC, transparent garment bags, Rassenfoss Bag Co., Inc.
LYDET, liquid synthetic detergent, Beach Soap Co.

Mc

McDONNELL, safety devices for steam and water, McDonnell & Miller, Inc.
McDONNELL & MILLER, water controls, McDonnell & Miller, Inc.
McELMOYL, canvas baskets, canvas shipping hampers, canvas basket trucks, M. J. McElmoyl Co.
McKEE-ECLIPSE, blowers, boiler feed and return systems, gas burners, controls, Eclipse Fuel Engineering Co.

M

M&M, break booster, M & M Chemical Co.
M & M, boilers, level controls, McDonnell & Miller, Inc.
MIF, pipe fittings, Malleable Iron Fittings Co.
M-K-O, automatic boiler feed systems, Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
M. L. B., waterproof cemented leather belting and dressing, Milwaukee Leather Belting Co.
MacCARL FOG BLASTER, sprayers, MacCarl Co., Inc.
MacCARL FOG MAKER, sprayers, MacCarl Co., Inc.
MACHETA AIRFOIL, industrial ventilating fans, Aerovent Fan Co.
MACKLER, fur cleaning equipment, B. Mackler & Sons
MAFORCO, fur storage equipment, racks, Market Forge Co.
MAGIC, double collar support, J. W. Steele & Co.
MAGIC, rug measuring table, Moore's Time-Saving Equipment, Inc.
MAGICARE, drycleaning process, Minneapolis-Honeywell Regulator Co.
MAGIC BELT RING, belt holder, A. G. Vara & Sons, Inc.
MAGIC CORNER, boxes, Sutherland Paper Co.
MAGIC-DIAL, call office conveyor (bundles and garments), Forse Corp.
MAGIC INSTICK, ink eradicator, Nu-Pro Mfg. Co.
MAGIC-SEAL, shirt bands, Century Paper Products
MAGIC SPOTTER, medicine remover, Dello Products Co.
MAGLA SILVER, cover cloth, Magla Products
MAGLINER, package, garment, hand and platform trucks, dockboards, roller conveyors and barrel skids, Magline, Inc.
MAGNESOL, absorptive filter powder, Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.
MAGNETROL, liquid level controllers, Fred H. Schaub Engineering Co., Inc.
MAGNETTE, circuit breakers, Heinemann Electric Co.
MAGNISET, a type of free vane air-operated controller, Bristol Co.
MAJESTIC, steel steam boilers, Ames Iron Works
MAJOR, lubricators, Lunkenheimer Co.
MAJOR, nylon net, Gibraltar Fabrics, Inc.
MAMMOTH CASCADE, laundry washer, American Laundry Machinery Co.
MANHATTAN, nylon net, knitted, Gibraltar Fabrics, Inc.
MANHATTAN, hose, rubber, Revolite Div., Raybestos-Manhattan, Inc.
MANISOLV, prespotter, Merson Products Co.
MANITOWOC, "FASHION AWARD," drycleaning and finishing equipment, Manitowoc Engineering Corp.
MANITOWOC-OLSON, tubular filter, Manitowoc Engineering Corp.
MANYWASH, nylon nets, Tingue, Brown & Co.
MARATHON, ironer tape and feed ribbons, asbestos ironer covers and pads, black nylon cloth, Benwall Mfg. Co.
MARATHON, flatwork ironer padding, Southern Mills, Inc.
MARCLENE, charge detergent, penetrant wet prespotter, Marclene Products Corp.
MARCO, hot-water heaters, storage heaters, feed-water heaters, oil separators, Marshall Heater Co.
MARCO, racks, lighting fixtures, Cleaners Sales & Equipment Corp.
MARINE, grease cups, Lunkenheimer Co.
MARIONETTE, shirt bands, hanger shields, collar supports and combination shirt bags, Marion Mfg. Co.
MARK-FLOW, identification and handling equipment, Keyes-Davis Co.
MARKMASTER, laundry marking machine, National Marking Machine Co.
MARKOGRAPH, marking machines, marking ink, George Steigler Co.
MARK-O-INK, indelible marking ink, Mark-O Corp.
MARK-O-PEN, indelible marking pen, Mark-O Corp.
MARK RITE, tags, Lewis National Corp.
MARKRITE, laundry marking ink, Patek & Co.
MARLATE, insecticide, E. I. du Pont de Nemours & Co., Inc.
MARLOW, filter, oil, solvent and water pumps, Marlow Pumps, Div. Bell-Gossett Co.
MAR-MAK, rug drycleaning machine, Mar-Mak Machinery Mfg. Co.
MARMON-HERRINGTON, all wheel drive truck, Marmon-Herrington Co., Inc.
MAROSAL, rinsing aid, Minnesota Chemical Co., Inc.
MARPEL, water repellent, Marclene Products Corp.
MARSH, valves, Jas. P. Marsh Corp.
MARSHALL'S, spotters, Marshall Co.
MARTEX, non-slip composition flooring, treads, American Abrasive Metals Co.
MARTIN, drycleaning and finishing equipment, Martin Equipment Co., Div. American Laundry Machinery Co.
MARTINIZING, drycleaning system, Martin Equipment Co., Div. American Laundry Machinery Co.
MARVA, scrubbing soap, Marvella Corp.
MARVEL, cotton padding, canvas cement, Pittsburgh Waterproof Co.
MARVEL, ink remover, Keystone Aniline & Chemical Co., Inc.
MARVEL, laundry, drycleaning equipment, Marvel Mfg. Co.
MARVEL HYDROMATIC, washer-extractor combination, drycleaning, Marvel Mfg. Co.
MARVELLA, rubber enamel, rubber glass and rubber enamel floor resurfacing materials; rubber glass and rubber paint, rug shampoo, wax and oil remover, upholstery shampoo, Marvella Corp.
MARVELO, built soap powder, West Side Corp.
MARVESO, drycleaning soap, Nu-Pro Mfg. Co.
MASONEILAN, steam plant equipment, Mason-Neilan Regulator Co.
MASS PRODUCTION CURTAIN DRYER, 3-way curtain drier, National Dryer Mfg. Co.
MASTER, drying tumblers, Hammond Laundry-Cleaning Machinery Co.
MASTER, evaporative coolers, Essick Mfg. Co.
MASTER, glove cleaning soap, Keystone Aniline & Chemical Co., Inc.
MASTER, lint brush, Master Products Co.
MASTER, nylon nets, X. S. Smith, Inc.
MASTER, presses, laundry and drycleaning equipment, Master Machinery Co.
MASTER, automatic sleever, folder, Forse Corp.
MASTER, soaps, Lasco Supply Co.
MASTER, solvent recovery units (muck), Master Mfg. Co.
MASTER, valves, Chace Valve Div., American Laundry Machinery Co.
MASTER, work garments, Geo. Master Div.
MASTER-BILT, solvent cooler, Master-Bilt Refrigeration Mfg. Co.
MASTER BRAND, hatters' equipment, supplies Maxant Button & Supply Co.
MASTER CASCADE, laundry washer, American Laundry Machinery Co.
MASTER CHALLENGER, washer, Miller Laundry Machinery Co.
MASTER COLLECTOR CART, aluminum or steel soiled linen or laundry cart, Paul O. Young Co.
MASTER CONTROL UNIT, steam system, Velocity Steam Production Engineering, Inc.
MASTER DRY CLEANSER, paste drycleaning soap, Keystone Aniline & Chemical Co., Inc.
MASTER KING, net pins, Keyes-Davis Co.
MASTERMATIC, washer control, American Laundry Machinery Co.
MASTER PLATE, floor resurfacing concrete, Master Builders Co.
MASTER QUICK, floor patching concrete, Master Builders Co.
MASTER SEAL, self-seal shirt bands, Package Masters, Inc.
MASTER SELF-SEAL, shirt bands for advertising messages, Package Masters, Inc.
MATCHLESS, monorail trolley, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
MATCHORAMA, match book, Universal Match Corp.
MATEER, extractors, Western Laundry Machinery Co.
MAXANT MASTER, pleating machine, Maxant Button & Supply Co.
MAX-EL, machinery steels, Crucible Steel Co. of America
MAYTAG, automatic washer and dryer, coin operated, Maytag Co.
MEASUREGRAPH, drapery measure, Morey Seldin Machinery Corp.
MECLASOL, washroom detergent, Carlton Chemicals Co., Inc.
MECOLOID, colloidal clay compound, H. Kohnstamm & Co., Inc.
MEHL, transparent bags, Mehl Mfg. Co.
MEMO TAGS, pre-printed instruction tag, Larton Products Co., Inc.
MENDEX, tabs and tapes for repairing marking, Mendex Corp.
MEND-MASTER, machines for applying tapes or tabs, Mendex Corp.
MENTOR BEADS, synthetic detergent, Colgate-Palmolive Co.
MERASOL, colorless drycleaning detergent, R. R. Street & Co., Inc.
MERCHANDISER, delivery truck bodies for stripped forward control chassis, Boyertown Auto Body Works
MERCURY, cleaning systems, filters, stills, tumblers, Mercury Cleaning Systems, Inc.
MERCURY, presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MERCURY NUMATIC, fully automatic air operated valves, Mercury Cleaning Systems, Inc.
MERMAID, break powder, Los Angeles Soap Co.
MERPENTINE, surface active agent, E. I. du Pont de Nemours & Co., Inc.
MERPOL, surface active agent, E. I. du Pont de Nemours & Co., Inc.
MERRY GO ROUND, shirt sorting bin, Time Savers, Inc.
MERSON, soaps, strippers, Merson Products Co.
MERTEX, drycleaning soap, Merson Products Co.
METAFOS, sodium metaphosphate, Rumford Chemical Works
METALATE, laundry chemical, Diamond Alkali Co.
METASILICATE, detergent, Diamond Alkali Co.
METEOR, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
METALA-COTA, boiler water treatment, State Mfg. Co., Inc.
METLWAL, metal partitions and paneling, Prosperity Co., Div., Ward Industries Corp.
METLWAL, JR., railing high partitions, Prosperity Co., Div., Ward Industries Corp.
METRO, delivery truck bodies for light, bulky loads, Metropolitan Body Co., Inc., sub., International Harvester Co.
METSO, detergents, Philadelphia Quartz Co.
METSO 88, rug cleaner, Philadelphia Quartz Co.
METSO 55, silicate-type cleaner, Philadelphia Quartz Co.
METSO ANHYDROUS, anhydrous sodium metasilicate, Philadelphia Quartz Co.
METSO GRANULAR, sodium metasilicate pentahydrate, Philadelphia Quartz Co.
METSO 99, sodium sesquisilicate, Philadelphia Quartz Co.
METSO 200, sodium orthosilicate, Philadelphia Quartz Co.
MEXICAST, plastic refractory concrete, Mexico Refractories Co.
MEX-LOX, jointing material, Mexico Refractories Co.
MEYERCORD, truck decals, Meyercord Co.
M-5, insulating firebrick, Mexico Refractories Co.
M-50, M500, drycleaning washers, Western Laundry Machinery Co.
MICROMET, rust and corrosion preventative, Calgon, Inc.
MIDCO, flameproofing agent, Merson Products Co.
MIDGET, continuous towel cabinet, Steiner Sales Co.
MIDGET, controls, Morehead Mfg. Co.
MIDGET, static eliminator for industrial machinery, Simco Co.
MIDGET KING, marking pins, Keyes-Davis Co.
MIDGET-MATIC, laundry washers, Hammond Laundry-Cleaning Machinery Co.
MIDGET PERFECTION MARKER, marking machine, Perfection Marking Machine Co.
MIDOFORM, all-around spotter, Merson Products Co.
MIDWEST, filters, tube type, washer extractor combination, Midwest Machinery Co.
MIL-CIDE, mildew preventative, Speare Co.
MILCO, colorback (for restoring color to faded fabrics), shampoo, A. O. Miller & Co.
MILDEW-CHEK, mildew preventative, Chek Products, Inc.
MILDEX, mildewicide, Patek & Co.
MILDUSIZE, drycleaning mildew preventative, Cidex Corp.
MILEAGE BOOSTER, vapor-absorbing machine, Vic Manufacturing Co.
MILLER, laundry washers, Miller Laundry Machinery Co.
MILLSPRAY, insecticide, Keystone Chemical Co.
MILNOR, laundry, drycleaning extractors, washers, Pellerin Milnor Corp.
MILTROL CONSOLE, automatic washer control, Pellerin Milnor Corp.
MINCO, sours, Minnesota Chemical Co.
MINIATURE SLEEVERS, sleeve formers, Wichita Precision Tool Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

MINI-LINE, pneumatic indicators and controls, Bailey Meter Co.
MINISUDZ, low-sudsing synthetic detergent, Beach Soap Co.
"MINIVAN" MODEL MP-6, door-to-door delivery body on special Dodge chassis, Boyertown Auto Body Works
MINUTE MAN, extractor, presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MINUTE MAN, JR., tumblers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MIRACLE-MATIC, washer-extractor, drycleaning and laundry, Hammond Laundry-Cleaning Machinery Co.
MIRACLE MONIX, rug cleaning compound, mothproofing agent, Monix Co.
MIRO SPRA, Nu-Pro Mfg. Co.
MIRZA, rug cleaning system and machine, rug duster, rug dryroom conveyor, rug drying unit, rug wringer, American Laundry Machinery Co.
MISSION BELL, toilet soap, Los Angeles Soap Co.
MIST, steam spotter, Pennsalt Chemicals Corp.
MITCO, drycleaning washer, tumblers, J. B. Mitchell Co.
MIXST MASTER, moisture dispersing agent, Ellenbogen & Shannon, Inc.
MIZON, rug cleaning detergent, Fumol Corp.
MKAYO, steam boilers for oil firing, Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.
MO, clothing mfrs. presses, Prosperity Co., Div., Ward Industries Corp.
MOBILE HAMPER, clothes cart, R. B. Smith Co.
MOBIL MARKER, storage bin, marking hopper and marking table, Bishop David Freeman Co.
MOCO, drycleaning soap, fabric deodorant, liquid wetcleaner, spotter, dye pads, Package Chemical Co., Inc.
MODEL A-3 FASHIONER AJUSTA-FORM, deluxe all purpose steam air finisher, Wichita Precision Tool Co., Inc.
MODEL 500 and 50, drycleaning washer, conventional types, Western Laundry Machinery Co.
MODEL F-2, AJUSTA-FORM, steam air finisher, Wichita Precision Tool Co., Inc.
MODEL 300, drycleaning extractor, Western Laundry Machinery Co.
MODINE, unit heaters, coolers, Modine Mfg. Co.
MOFLEX, tire rebuilding and repair materials, Mohawk Rubber Co.
MOGRIP, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.
MOGUM, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.
MOHAWK, padding, Egan Cotton Mills
MOHAWK, tallow soap chips and powder, Swift & Co., Industrial Soap Dept.
MOHAWK, tire recapping stock, tire repair materials, Mohawk Rubber Co.
MOLAFORM, stain remover, Package Chemical Co., Inc.
MONAD G, neutral synthetic detergent, Colgate-Palmolive Co.
MONARCH, synthetic solvent drycleaning machine, Detrex Chemical Industries, Inc.
MONARCH, washer, American Laundry Machinery Co.
MONARCH, water pumps, chemical and mechanical water conditioners, water filters, softening and treating equipment, zeolite, Monarch Engineering Co.
MONARCH HI-LO, washer-extractor combination (laundry), Monarch Laundry Machinery Corp.
MONARCH H-O, 25 lb. automatic open end washer, Monarch Laundry Machinery Corp.
MONEL, alloy of nickel and copper, International Nickel Co.
MONELLO, Monel pads for overall presses, Resillo Co.
MONEX, extractor, American Laundry Machinery Co.
MONITE, insured mothproofing, Monite Co., Inc.
MONOBLOC, close-coupled centrifugal pumps, Worthington Pump & Machinery Corp.
MONO-CHROME, chrome base plastic refractory, Mexico Refractories Co.
MONO-FABRIK, plastic firebrick, Mexico Refractories Co.
MONOFLO, rotary cable conveyor, M-H Standard Co.
MONO-LINE, plastic firebrick, Quigley Co., Inc.
MONROE, accounting and business machines, Monroe Calculating Machine Co., Inc.
MONTPELIER, truck bodies for laundry and linen supply delivery, Montpelier Mfg. Co.
MOORE, autographic register, Moore Business Forms, Inc.
MOORE, trolley conveyor, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
MOORES OCTOLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.
MORAN, paint products, Moran Paint Co.
MO-REX, dry press firebrick, Mexico Refractories Co.
MORHEAT, boiler and steam generators, Morheat Sales Co.
MOROCCO, rug sizings, National Starch Products, Inc.
MORSE, drum plug wrench, drum dispensing racks, bottle tippers, drum hand trucks, Morse Mfg. Co., Inc.
MOTEX, laundry extractor, American Laundry Machinery Co.
MOTEX, mothproofer, Coastal Chemical Corp.
MOTH-ASEPTIC, mothproofing germicide, Perm-Aseptic Corp.
MOTH-CHEK, mothproofing agent, Chek Products, Inc.
MOTHPROOFITE, insecticide, mothproofing concentrate, Mortemoth Chemical Laboratories
MOTH-SAN, mothproofing agent, Huntington Laboratories, Inc.
MOTH SEAL, storage bags, Lincoln Bag Co., Inc.
MOTH SECTOL, dual-action moth spray, Fumol Corp.
MOTO-BELT, belt conveyors, New London Engineering Co.
MOTOPUMP, water supply pump, Yeomans Bros. Co.
MOTORCOMPRESSOR, air compressors, Ingersoll-Rand Co.
MOTOR PUMP, solvent and water pump, Ingersoll-Rand Co.
MOUNT VERNON, cloth, asbestos, cover, filter, press, twine and uniform, Mount Vernon Mills, Inc.
M. P. 189, wetting and dispersing agent, Lewis National Corp.
MRS. STEWART'S, liquid bluing, Luther Ford & Co.
M. S. A., first aid and safety equipment, salt tablets and dispensers, Mine Safety Appliance Co.
M-300, extractors, Western Laundry Machinery Co.
M-26, M-23, and M-20, insulating firebrick, Mexico Refractories Co.
MO, clothing mfrs. presses, Prosperity Co., Div., Ward Industries Corp.
MULHOLLAND HARPER, high baked deluxe metal signs for indoor and outdoor, also plastic signs, Mulholland-Harper Co.
MULSOLITE, lubricant, spotter, penetrant, R. R. Street & Co., Inc.
MULSOL-K, overall cleaner, Laundry Chemicals Co.
MULTI-CLEAN, all-purpose scrubbing machine for rugs and carpets, Multi-Clean Products, Inc.
MULTI-CLEAN, ANTI-SLIP WATER PROOF FLOOR WAX, emulsion waxes, Multi-Clean Products, Inc.
MULTI-COUNTER, counting devices, Multi-Counter Mfg. Co.
MULTI-CUSHION, felt padding, Pittsburgh Waterproof Co.
MULTIGRAPH, hand-operated duplicating machine, Addressograph-Multigraph Corp.
MULTIGRIP, floor plates, U. S. Steel Co.
MULTI-MOUNT, electric power drive, Sterling Electric Motors, Inc.
MULTI-PHOS, phosphate regenerator, Speedlite Chemicals Co., Div. Patek & Co.
MULTITHERM, air-conditioning units, Clarage Fan Company
MULTI-V DRIVE, V belt drives and sheaves, Worthington Pump & Machinery Corp.
MURCO, unit heaters, D. J. Murray Mfg. Co.
MUROZA, feather cleaning and sterilizing systems, American Laundry Machinery Co.
MW 50, asbestos furnace cement, Philip Carey Mfg. Co.
MYCEL, drycleaning process, R. R. Street & Co., Inc.
MYBO, water softeners, Hungerford & Terry, Inc.
MYSTRON, drycleaning unit, U. S. Hoffman Machinery Corp.

N

N-C, staples, stapling machines, Neva-Clog Products, Inc.
NCR, carbonless business forms, National Cash Register Co.
N.C.S., drycleaning soap, National Cleaners Chemical Mfg. Co.
N-L, plastic impregnated tags, ink, Wm. J. Nicholson Laboratories
N-M-D, globe, angle, check and quick operating valves, Lunkenheimer Co.
N. P., stain remover, glove color, dry type water repellent, stripper, size, suede oil, Nu-Pro Mfg. Co.
N R, laundry sour, Kenco Chemical Co., Inc.
N-R-G, enzymic digester, George E. Mead Co.
NABORETTE, small family service laundry, American Laundry Machinery Co.
NACCONOL, synthetic organic digester, National Aniline Division, Allied Chemical & Dye Corp.
NAIROIL, small oil burners, National Airoil Burner Co., Inc.
NAJORT, laundry washers, R. Ewing & Sons, Inc.
NAL, tannin spot remover, Signal Chemical Mfg. Co.
NALCITE, resinous, ion exchangers, National Aluminate Corp.
NALCO, heating units for driers, North American Electric Lamp Co.
NALCO, water-treatment chemicals, National Aluminate Corp.
NALAX, nail polish remover, Warco Laboratories, Inc.
NAMCO, boiler compound, dry and wet water repellents, fabric finishing compounds, Namco Chemical Corp.
NAPOLENE PASTE FILTER SOAP, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
NAPSEPTIC, sour, E. F. Drew & Co., Inc.
NAPSOAP 22, 60, laundry soaps, E. F. Drew & Co., Inc.
NAPSO, medium-titer powdered built soap, E. F. Drew & Co., Inc.
NAPSOID, alkali compound, special detergents, E. F. Drew & Co., Inc.
NAPSOLV, spotting agent, E. F. Drew & Co., Inc.
NAPSO 22, oil built soap, E. F. Drew & Co., Inc.
NAPSUDS, rug and carpet soap, E. F. Drew & Co., Inc.
NAPTEX, oil built soaps, E. F. Drew & Co., Inc.
NAPTHANIL, dye bases, E. I. du Pont de Nemours & Co., Inc.
NAPTHOLE, alkali compound, special detergents, E. F. Drew & Co., Inc.
NAPTHOLE, ironer oil, E. F. Drew & Co., Inc.
NAPTHOLE B, medium-high pH detergent, E. F. Drew & Co., Inc.
NAPTONE, complete laundering detergent, E. F. Drew & Co., Inc.
NAPWAX, ironer wax, E. F. Drew & Co., Inc.
NARRI-LAST, flat work ironer tape, Carson Textile Co.
NASHAWAY, self sealing paper bands, Nashua Corp., Sure-Hold Div.
NASHUA, double-face flannel, Nashua Textile Co.
NASHUA, package sealing machine, Nashua Package Sealing Co.
NATCO, instantaneous indirect-fired water heaters, National Combustion Co.
NATIONAL, boiler seam protector, National Boiler Protector Co.
NATIONAL, cash registers, accounting, adding, bookkeeping machines, salesbooks and forms, National Cash Register Co.
NATIONAL, charge soap, for charge systems, National Cleaners Chemical Mfg. Co.
NATIONAL, charge test kits for strong soap, National Cleaners Chemical Mfg. Co.
NATIONAL, driers, stretchers, drying cabinets, tumblers, National Dryer Mfg. Co.
NATIONAL, fans, National Engineering & Mfg. Co.
NATIONAL, dry size, used with Stoddard solvent and perchlorethylene, National Cleaners Chemical Mfg. Co.
NATIONAL, forced air ventilating system, National System of Garage Ventilation, Inc.
NATIONAL, marking equipment, marking ink, belt conveyors, National Marking Machine Co.
NATIONAL, soot remover and rust-preventive treatment, National Chemical Sales Co., Laboratory, Inc.
NATIONAL, tape dispenser, Nashua Corp.
NATIONAL AIROIL, oil burners and gas burners, National Airoil Burner Co.
NATIONAL "CLASS 41", accounting machines, National Cash Register Co.
NATIONAL LANG, listing machines, National Marking Machine Co.
NATIONAL REWEAVING SERVICE, reweaving equipment, Wonder Weavers
NATIONAL TAYPER, sealing machine, Nashua Package Sealing Co., Inc.
NATIONAL TRUCK LEASING SYSTEM, truck leasing and rental services, National Truck Leasing System
NATIONAL "21", cash register, National Register Co.
NAT-MAR-CO, marking-machines and inks, National Marking Machine Co.
NEBULYTE, oil-gas burner, Anthony Co.
NECCHI, sewing machines, Necchi Sewing Machine Sales Corp.
NEEDLEBOARD, wire pressboards, American Pressboard Co., Inc.
NEET, printed crush-proof shirt packaging, Market Industries Co., Inc.
NEET, shirt package, Patek & Co.
NEGASTAT, anti-static agent, Philips & Phillips Corp.
N-11, flatwork ironer padding and press pads, Whitehouse Nylon Products
NEM-A, shirt-folding machines, J. W. Steele & Co.
NENSOL, feeder, Infilco, Inc.
NEOMERPIN, surface active agent, E. I. du Pont de Nemours & Co., Inc.
NEO-SPONGE, standing comfort mat of neoprene, American Floor Products Co.
NEO-TONE, sours, Diamond Alkali Co.
NEOVADINE AN, stripper, Ciba Co., Inc.
NEPTUNE, leather belt cement, Graton & Knight Co.
NEPTUNE, built soap, sudsing synthetic detergent and heavy duty synthetic liquid detergent, Lever Bros., Co.
NE-TO, starch, A. S. Staley Mfg. Co.
NEUTRACIDE, sour, Lewis National Corp.
NEUTR-LENE, deodorant neutralizer, Davies-Young Soap Co.
NEUTRAL LUBRICANT, neutral lubricant, Lustrol Drycleaning Products, Div., Patek & Co.
NEUTRA LUSTRE, for rug cleaners, Keever Starch Co.
NEUTRA SOL, sweetening agent, Benda Products, Inc.
NEUTRASOL, synthetic detergent, Lewis National Corp.
NEUTRASUDS, flake or powder, high-titer tallow soap compound, E. F. Drew & Co., Inc.
NEUTRATEX, sour, Lewis National Corp.
NEUTRATINT, sour, Lewis National Corp.
NEUTREX, rust removing sour, Speedlite Chemicals Co., Div. Patek & Co.
NEUTRO, sour, Turco Products, Inc.
NEUTROGEN, sour, Lewis National Corp.
NEUTRONAP, sour, E. F. Drew & Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

NEUTROPHOR, laundry neutralizer and whitener, Carlton Chemical Co., Inc.
NEUTROSOAP, neutral laundry soap, Carlton Chemical Co., Inc.
NEUTROTONE, detergent, Endriss Chemicals, Inc.
NEVA-CLOG, stapling machine, wire staples, Neva-Clog Products, Inc.
NEVA-SLIP, pants clip, Gibraltar Products Co.
NEVASLIP, ironer roll coverings, Toptex Corp.
NEVASTANE, lubricant, Keystone Lubricating Co.
NEVER-SLIP, collar protectors, Phoenix Products Co.
NEVERSLIP, tie hangers, Memphis Hanger Co. & Pittsburgh Hanger Co.
NEVERSTRETCH, feed ribbon, Southern Mills, Inc.
NEW DEPARTURE, ball, radial and thrust bearings, New Departure, Div. General Motors Corp.
NEW GOVERNOR, nylon nets, Gibraltar Fabrics, Inc.
NEWHOUSE, spotting guns, brushes, counter racks, sleeve formers, press pad, spotting noses, sleeve boards, wetcleaning aprons, Newhouse Specialty Co., Inc.
NEW MANHATTAN, nylon nets, Gibraltar Fabrics, Inc.
NEW NO. 30 CLEANER, fur cleaner, Nycco Products Co.
NEW QWIKGO, liquid digesting agent, A. L. Wilson Co., Inc.
NEW YORKER, drycleaning, laundry presses, New York Pressing Machinery Co.
NIAGARA, chemical, oil and water meters, Buffalo Meter Co.
NIAGARA, filter screens, Niagara Filter Corp.
NICE, ball and thrust bearings, Nice Ball Bearing Co.
NICHOLSON, floats, steam traps, thermostatic traps, W. H. Nicholson & Co.
NILES, steel drums, Republic Steel Corp.
9000 SERIES, steel-framed two-wheel hand trucks, Fairbanks Co.
NI-ROD, electrode for machinable welds, International Nickel Co., Inc.
NISSEN, dye and bleach resistant color-marking and writing tube, John P. Nissen, Jr., Co.
NITROX, cleaner, rust inhibitor, Solvay Process Div., Allied Chemical & Dye Corp.
NO-CHLOR, spotting agent, Nu-Pro Mfg. Co.
NO-DARN, mending iron, No Darn Co.
NO-EFFORT, handkerchief and napkis press and handkerchief fluffer, American Laundry Machinery Co.
NOEX, petroleum solvent drycleaning unit, drycleaning tumbler, American Cleaners, Equipment Co., Div. American Laundry Machinery Co
NO-FLAM-O, flameproofing for fabrics, Namco Chemical Corp.
NOLA TOILET SOAP, soaps, Iowa Soap Co.
NO LAX, spotting agent, Warco Laboratories
NO-LINT, spray, Spix Products Co.
NO LINT, fabric preservatives and conditioner for linen supplies, Namco Chemical Corp.
NO-LINT-WORRIES, black bags, Zuckerberg Co.
NO-MAR TREATMENT, stain and water repellent, Paper Chemicals Inc.
NO-MIX, bundle separators, Rosenthal Mfg. Co.
NO-MIX, identification system, Checking System Co.
NOMOLD, mildew preventative, H. Kohnstamm & Co., Inc.
NON-CRUSH, shirt carriages, Time Savers, Inc.
NON-IONIC, leather soap, Eaton Chemical & Dyestuff Co.
NON-IONIC, fabric conditioner, Namco Chemical Corp.
NON-SHIFT, wire garment hanger, Para-Lux Products Co.
NON-SKID, floor tiles, Virginia Greenstone Co., Inc.
NON X.L., water repellent, Boston Clip & Tag Co.
NORCO, meters, timers and control devices, Norman Control Co.
NORIT, activated carbon, L. A. Salomon & Bro., Inc.
NORJAC ECONOMY, foam press pad, Norjac Foam & Fabric
NORTH STAR, fur cleaning compound, Walter Haertel Co.
NOR-WIL, press covers, asbestos covers, Norton & Williams, Inc.
NORWOOD CASCADE, washer, American Laundry Machinery Co.
NO-SNAG, laundry marking fountain pen, Cleaners Specialty Co.
NO-SNAG, shank, Star Service Hanger, Div., Young Spring & Wire Corp.
NOSOK, non enzymic digester, spot remover, George E. Mead Co.
NO STARCH, fabric conditioner and finishing aid for shirt laundries, Nemco Chemical Corp.
NO-STAT, anti-static agent, Pagoda Industries, Inc.
NO-STAT, static eliminator and method of application via drying tumbler, Kleentest Laboratories
NO-STRING MARK DEVICE, blanket edge ironer, Rosenthal Mfg. Co.
NOTASTANE, lubricant, Keystone Lubricating Co.
NO-THREAD, compression fittings, Dresser Mfg. Div., Dresser Industries, Inc.
NOTRUX, mechanical loading and unloading extractor, American Laundry Machinery Co.
NOVA-TEX, dry sizing, National Cleaners Chemical Mfg. Co.
NO-VENT, boiler return system, David Stout & Sons
NOWASTE, marking tags, preprinted, Stry-Lenkoff Co.
NOXOIL, non-ionic penetrant and emulsifier, Speedlite Chemicals Co., Div. Patek & Co.
NOXOIL, penetrant and soil suspending agent, Patek & Co.
N SILICATE, rust preventative, Philadelphia Quartz Co.
NUCHLOR, volatile spotter, Nu-Pro Mfg. Co.
NU-COAT, glove and leather finish, National Cleaners Chemical Mfg. Co.
NU-DI, leather dye, Nu-Pro Mfg. Co.
NU-DIE, tool steel, Crucible Steel Co. of America
NU-DRY, irons, New York Pressing Machinery Corp.
NU-FLO, laundry sour, Johnson Chemical Industries, Inc.
NU-FLUO, economy sour, Johnson Chemical Industries, Inc.
NU-FLUO EXTRA, sour for high bicarbonate water, Johnson Chemical Industries, Inc.
NU-HIDE, leather cleaner and conditioner, Signal Chemical Mfg. Co., Inc.
NU-LUS, dry size, Nu-Pro Mfg. Co.
NUMATIC, air pressing, drycleaning, New York Pressing Machinery Corp.
NUMERETTE, hand numbering machine, American Numbering Machine Co.
NUMBER 3, 11, 33, blues, Lewis National Corp.
NUMBER 4, blue, stripper, Lewis National Corp.
NUMBER 44, blue, Minnesota Chemical Co.
NUMBER 996, industrial textile detergent, H. Kohnstamm & Co., Inc.
NUMBER 209, general formula, R. R. Street & Co., Inc.
NU-NAP, rug cleaner, Certified Chemical & Equipment Co.
NU-NAP PROCESS, shine removal service, Bestway Shine Removal Co., Inc.
NUODEX 87, mildew preventative, Nuodex Products Co., Inc.
NU-PAL, lint remover, Perma Products Co.
NU-PRO, ink and stain remover stick, Nu-Pro Mfg. Co.
NU-SHEEN, dyeing service, Omaha Dye Works
NUSHENE, special alkali compounds, Speare Co.
NU-SO, detergent, Nu-Pro Mfg. Co.
NU-SOL, soap builders, Thompson-Hayward Chemical Co.
NUSOLVO, spotting agent, Nu-Pro Mfg. Co.
NUSUEDE, suede finishes, Eaton Chemical & Dyestuff Co.
NU-TEX, drycleaning soap, Nu-Pro Mfg. Co.
NU-TEX-TIZE, drycleaning detergent, Nu-Life Mfg. Co.
NUTRA SUDS, neutral soap flakes, E. F. Drew & Co., Inc.
NUTROL, synthetic wetcleaner, Keystone Aniline & Chemicals Co., Inc.
NUTRONAP, sour, E. F. Drew & Co., Inc.
NUTTING, floor trucks, casters, wheels, Nutting Truck & Caster Co.
NU-WAY, liquid filter soap, Davies-Young Soap Co.
NU-WEIGH, hanging clothes scale, Newhouse Specialty Co., Inc.
NYTEX, press pads and covers, R. Lally Co.
NU-WOOD, insulation board, Wood Conversion Co.
NYCCO, moth preventatives, Nycco Products Co.
NYCCO, prepared fur dyes, Nycco Products Co.
NYLCOT, laundry nets, Southern Mills, Inc.
NYL-EON, nylon covers and cloth, G. S. Robins & Co.
NYLO, filter and laundry bags, press covers and cloth, X. S. Smith, Inc.
NYLO-DUK, nylon "Hydraxtor" slings, F. H. Bonn Co.
NYLO-FOAM, dry cleaners press covering kit, F. H. Bonn Co.
NYLONET, knitted nylon laundry nets, Nylonet Corp.
NYLONETS, nylon laundry nets, X. S. Smith, Inc.
NYLOPRESS, press pad materials, American Felt Co.
NYLOTEX, nylon press covers, X. S. Smith, Inc.
NYLSEW, nylon sewing thread, Heminway & Bartlett Mfg. Co.
NYTEX, nylon press padding, R. Lally Co.

O

O.I.C., all types valves, Ohio Injector Co.
O.T., laundry-drycleaning extractors, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
O & S, fuel burning systems, Orr & Sembower, Inc.
O.G.P., oily type paint remover, Eaton Chemical & Dyestuff Co.
O-S, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
O.&W., specialty compound, laundry sours and blue, Diamond Alkali Co.
OAKITE, detergents, Oakite Products, Inc.
OAKITE COMPOUND NO. 32, scale and rust remover, Oakite Products, Inc.
OAKITE PENETRANT, detergent, Oakite Products, Inc.
OAKVILLE, wire staples, Oakville Co. Div., Scoville Mfg. Co.
OASIS, drinking water cooler, Ebco Mfg. Co.
OBARK, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
OBLITO, stain remover, H. Kohnstamm & Co., Inc.
OCCO, extractor baskets, Ohio Centrifugals Co.
OCTA-CLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.
OCTAGON, soap, Colgate-Palmolive Co.
ODEX, deodorizer, Stamford Chemical Co.
ODIS, instantaneous and water storage heaters, Old Dominion Iron & Steel Corp.
ODO-STICK, garment odor remover in stick form, Nu-Pro Mfg. Co.
OFELDT, boiler, Mears-Kane-Ofeldt, Inc.
OILITE, self-lubricating bearings, machine parts, Amplex Div., Chrysler Corp.
OIL-MIST, automatic lubricating systems, Alemite Div., Stewart-Warner Corp.
OIL-RITE, lubricating equipment, Oil-Rite Corp.
O.K. CORN STARCH, corn starch, Hubinger Co.
OLATE, FLAKES, low-titer soap, Procter & Gamble Distributing Co.
OLIN, cellophane, Olin Cellophane Div., Ecusta Paper Corp.
OLIVE C, soap, Stadham Co., Inc.
OLIVESCO, detergent, Cowles Chemical Co.
OLIVILO, toilet soaps, Allen B. Wrisley Co.
OLSENMARK, marking inks, marking machinery, stamping presses, OlsenMark Corp.
OLSON, automatic laundry washers, Olson Industries, Inc.
OLSON, pressure filters, solvent stills, Olson Filtration Engineers, Div. American Laundry Machinery Co.
OLSON KURB SIDE, aluminum package delivery body, J. B. E. Olson Corp.
OLYMPIC, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.
OMNI-SOUR, laundry sour, Carlton Chemical Co., Inc.
ONDAL, oxidizing agent, E. I. du Pont de Nemours & Co., Inc.
ONE-HUNDRED, synthetic solvent drycleaning unit, Columbia Appliance Corp.
ONE-LAY, shirt finishing machine, J. W. Steele & Co.
ONE-SHOT, writing ink remover, Eaton Chemical & Dyestuff Co.
ONE-SPOT, scale, Toledo Scale Co.
132-LINEN, starch, A. E. Staley Mfg. Co.
1-2-3, paint oil, grease remover, general spotting agent, Signal Chemical Mfg. Co., Inc.
$1000.00 GUARANTEED, insecticides, B. Heller Co.
ON-THE-SPOT, synthetic drycleaning equipment, A. B. Temple Co
OPALOID, buttons, Stadham Co., Inc.
OPENETS, laundry nets and fabrics, Davis Mills Inc.
OPERATIVE TI-ME-TER, time signals, visual, audible equipment control, Bildwell Mfrs.
OPTO-MATIC, constant level oilers, Trico Fuse Mfg. Co.
ORIGA-FAB, sport shirt sizing, Harris Bros. Mfg. Co., Inc.
ORIOLE, apron duck and cover cloth fabrics, Mount Vernon Mills, Inc.
ORR, wool padding, Orr Felt & Blanket Co.
ORTHOBRITE, laundry detergent and soap builder, Diamond Alkali Co.
ORTHOLATE, laundry chemical, Diamond Alkali Co.
ORTHON, mild laundry builder, Speedlite Chemicals Co., Div. Patek & Co.
ORTHOSILICATE, detergent, Diamond Alkali Co.
ORVUS AB GRANULES, powdered neutral synthetic detergent, Procter & Gamble Distributing Co.
ORVUS EXTRA GRANULES, complete synthetic detergent, Procter & Gamble Distributing Co.
ORVUS HYTEMP GRANULES, built high temperature synthetic detergent, Procter & Gamble Distributing Co.
ORVUS W. A. PASTE, wetcleaning detergent, Procter & Gamble Distributing Co.
O SILICATE, concrete hardener, Philadelphia Quartz Co.
OSOMOMETER, odor measurement device or apparatus, Odor Instruments, Inc.
OSPECO, concentrated drycleaning soap, Oil States Petroleum Co., Inc.
O SPOTTER, stain remover, H. Kohnstamm & Co., Inc.
OTIS, baggers, plastic, shirt and sweaters, Otis Corp.
OUTSERTS, package insert, Allied Printing & Stationery Co., Inc.
OXALATE-A, sours, Keever Starch Co.
OZITE, insulation, laundry felt, American Hair & Felt Co.
OZONITE, built soap, Procter & Gamble Distributing Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

P

PB, laundry marking tags, Boston Clip & Tag Co.
P.D.Q., wetcleaning detergent, Nu-Pro Mfg. Co.
P.F.S., paste filter soap, Nu-Pro Mfg. Co.
P.I.U., variable speed changers, Link-Belt Co.
P-K, hot water heater, boiler return systems, condensate coolers, Patterson-Kelley Co., Inc.
P.M., built soap, Thompson-Hayward Chemical Co.
P.M.D., moth repellent, Dixo Co.
PO, silicate of soda, Philadelphia Quartz Co.
P-R, colorless paint and varnish remover, Caled Products Co., Inc.
PW, soap builder, New South Mfg. Co., Inc.
PAASCHE, airbrushes, air painting equipment, Paasche Airbrush Co.
PACE, chlorinated solvent soap, Caled Products Co., Inc.
PACEMAKER, maximum moisture charge soap, Caled Products Co., Inc.
PACE-PERK, soap, Caled Products Co., Inc.
PACIFIC, borax and sodium sesquicarbonate, Columbia-Southern Chemical Co.
PACIFIC, sour bluing, Beach Soap Co.
PACKLESS, flexible hose, couplings, Packless Metal Hose, Inc.
PACKOMATIC BOILERS, boilers and return systems, New York Pressing Machinery Corp.
PAINT-I-CATER, paint remover, W. F. Johnson Products Co.
PAINT-SOLV, paint remover, Huntington Laboratories, Inc.
PAISLEY, general line adhesives, Paisley Products, Inc.
PAK-AGE-KART, packaged work transporter, Bishop David Freeman Co.
PAK-RITE, plastic garment bags, cedarized and plain combination bags for shirts, ties, gloves, sweaters, hats, etc., Pak-Rite Flexible Packaging Co.
PAK-TITE, compound, American District Steam Co., Inc.
PAK-U-VEYOR, call office conveyors, laundry bundles, White Machine Co., Inc.
PAL, collector cart, soiled linen or laundry cart, Paul O. Young Co.
PALMOIL, soap, Rome Soap Mfg. Co.
PALMOLIVE, soap, Colgate-Palmolive Co.
PALM ROSE, soaps, Iowa Soap Co.
PAMCO, straight pins, Risdon Mfg. Co.
PANAREX, CO_2, recorder, Permutit Co.
PANTEX, drycleaning and laundry machinery, Pantex Mfg. Corp.
PANTS HORSE, trouser rack, R. B. Smith Co.
PAPER-STRUT, garment hanger, Star-Service Hanger Div., Young Spring & Wire Corp.
PARACOIL, water heaters, Davis Engineering Corp.
PARAGENE, stripper, Eaton Chemical & Dyestuff Co.
PAROGON, gas engine lubricators, Lunkenheimer Co.
PARALATE, complete detergent, Diamond Alkali Co.
PARALATE-S, laundry detergent and soap builder, Diamond Alkali Co.
PARAMOUNT, garment, trouser bags, hanger covers, Mutual Paper Box Co., Inc.
PARAMOUNT, evaporative coolers, Essick Mfg. Co.
PARA-SEAL, hanger cover, Para-Lux Products Co.
PARAZOLE, spot remover, Eaton Chemical & Dyestuff Co.
PARIS, steam-air garment finisher, Garment Finishing Equipment Corp.
PARIS CONVERTIBLE, steam-air finishers, Garment Finishing Equipment Corp.
PARIS MASTER FINISHER, steam-air garment finisher, Garment Finishing Equipment Corp.
PARKER, industrial boilers, Sid E. Parker Boiler Mfg. Co.
PARK'N CLEAN, store fixtures, counters, portable trailers, Park'N Clean, Inc.
PARMELEE, wrench, Walworth Co.
PAROL, special alkali compounds, Speare Co.
PAR-X, stain remover, H. Kohnstamm & Co., Inc.
PAS-TIES, collar & cuff fasteners, hanger ties, Plas-Ties Co.
PATCH MASTER, repair cloth kits, R. D. Bussard & Son
PATEXOL, oil, paint and grease remover, Patek & Co.
PATEXPAC, printed garment bags, shirt envelopes, Patek & Co.
PATINEX, upholstery shampoo, cleaning compound, Mortemoth Chemical Laboratories
PATINEX FURLIFE, fur shampoo, cleaning compound, Mortemoth Chemical Laboratories
PATRICK, steam iron, Lawrence M. Stein Co.
PATROL, watchmen's clocks, Detex Watchclock Corp.
PATTERSON-KELLEY, condensers, coolers, Patterson-Kelley Co., Inc
PAY-TEK, concentrated anhydrous emulsifier, Patek & Co.
PAYTEXOL, oil, paint and grease remover, Patek & Co.
PC CONCENTRATE, strong soap, Huntington Laboratories, Inc.
PC 450, neutral vegetable potash soap, E. F. Drew & Co., Inc.
PEABODY, gas, oil, coal burners, air heaters, Peabody Engineering Corp.
PEARL, built soap, flake and granulated, Colgate-Palmolive Co.
PEELCOTE, protective coating for metal parts, Watson Standard Co.
PEERLESS, laundry cover cloth, two ply cover duck, Thomaston Mills
PEERLESS, nylon net, Gibraltar Fabrics, Inc.
PEERLESS, pumps, Peerless Pump Div., Food Machinery Corp.
PEERLESS, built soap-syndet, Swift & Co., Industrial Soap Div.
PEERLESS, scales, Triner Scale & Mfg. Co.
PEERLESS BEACON, laundry marking tags, Boston Clip & Tag Co.
PEET'S, white laundry bar soap, Colgate-Palmolive Co.
PEE-VEE, lacquer remover, Riverside Mfg. Co.
PELL D, wetside water repellent, Lustrol Drycleaning Products, Div. Patek & Co.
PELL W, wetside water repellent, Lustrol Drycleaning Products, Div., Patek & Co.
PELLERIN-MILNOR, laundry, drycleaning extractors, Pellerin Milnor Corp.
PENBRITE, alkaline detergent, Pennsalt Chemicals Corp.
PENETEX, detergent, Stadham Co., Inc.
PENETRO, marking ink, National Marking Machine Co.
PENETROIL, grease solvent, H. Kohnstamm & Co., Inc.
PENETRON, glue solvent, Better Packages, Inc.
PENETRONE, starch, H. Kohnstamm & Co., Inc.
PENLO, engine lubricator, Lunkenheimer Co.
PENNANT, drycleaning soap, Davies-Young Soap Co.
PENN DRAKE WASHOIL, oil treatment of linens, Pennsylvania Refining Co.
PENN-SIZE, sizing agent, Pennsalt Chemicals Corp.
PENNSTARCH, dry-to-the-wheel starch, Penn Chemicals Corp.
PENNSYLVANIA, tires, tubes, batteries, Pennsylvania Rubber Co.
PENOZONE, bleach, Pennsalt Chemicals Corp.
PENPRIM, sizing, water repellent, Pennsalt Chemicals Corp.
PENSAL, break builder and detergent, Pennsalt Chemicals Corp.
PENSAL-B, alkaline detergent, Pennsalt Chemicals Corp.
PENSAL-M, alkaline detergent, Pennsalt Chemicals Corp.
PENSAL-O, alkaline detergent, Pennsalt Chemicals Corp.
PENSAL-W, heavy duty laundry detergent, Pennsalt Chemicals Corp.
PENSO, spotting agent, A. L. Wilson Chemical Co.
PENSUDS, wetcleaning detergent, Pennsalt Chemicals Corp.
PEN-TRATE, spotting aid, Kennedy Products Co.
PENTROX, emulsifier, penetrant and stain remover, Pennsalt Chemicals Corp.
PEPO, prespotter, Stadham Co., Inc.
PEPSOL, drycleaning filter soap, A. F. Wolke Co.
PER, automatic drycleaning unit, Vic Manufacturing Co.
PERCHLOR 600, drycleaning unit, Manitowoc Engineering Corp.
PERCHLORETHYLENE, solvent, Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.
PERCHLORON, bleach, Pennsalt Chemicals Corp.
PER-CLAIMER, filter sludge cooker and solvent reclaimer, Per Corporation
PER-CLEER, solvent still, Per Corporation
PERCLENE, drycleaning solvent, E. I. du Pont de Nemours & Co., Inc.
PERCLOR-SAVER, drycleaning tumbler and solvent reclaimer, American Cleaners Equipment Co., Div., American Laundry Machinery Co.
PER-COOLER, solvent temperature conditioner, Per Corporation
PERDOX, sodium perborate monohydrate, E. I. du Pont de Nemours & Co., Inc.
PERFECT, wheat starch, Keever Starch Co.
PERFECTA, steam and air spotting gun, Florian J. Hyman
PERFECTION, corn starch, Huron Milling Co.
PERFECTION, reducing valves, American District Steam Co., Inc.
PERFECTION, white neutral soap, Beach Soap Co.
PERFECTO, synthetic powder, National Cleaners Chemical Mfg. Co.
PERFECT WHEAT, laundry starch, Keever Starch Co.
PERFEX, controls and regulators, gauges, Perfex Corp.
PER 50, synthetic cleaning unit, Mercury Cleaning Systems, Inc.
PERFEX, press pads, Resillo Co.
PERFLEX, bronze flexible metal hose, Perfecting Service Co.
PERFUMED STARCH, starch, Gilcor Mfg. Co., Inc.
PERK, for all synthetic drycleaning, Stauffer Chemical Co.
PERK-O-MATIC, synthetic drycleaning machine, Pantex Mfg. Corp.
PERK-O-MISER, synthetic recovery tumbler, Pantex Mfg. Corp.
PERKLOR, synthetic solvents, Dow Chemical Co.
PERK-SHEEN, new charge soap for synthetic systems, Adco, Inc.
PERK-X-TRACTOR, sludge cooker, Pantex Mfg. Corp.
PERLITE, alkali soap builder, H. Kohnstamm & Co., Inc.
PERMAC BOEWE, drycleaning machinery, American Permac, Inc.
PERMAFIBER, fiber material for manufacturing laundry and drycleaning identification tags, Permafiber Corp.
PERMA-FLOW, drycleaning detergent, Edlemuth Mfg. Chemists
PERMA-FOLD, replacement collars and cuffs, Zuckerberg Co.
PERM-A-KLEEN, perchlorethylene, Detrex Chemical Industries, Inc.
PERMA KLEER 80, chemical water conditioner, Refined Products Corp.
PERMA-MARKER, marking kit, Wm. J. Nicholson Laboratories
PERMA - NET - MARKERS, identification tags, Speare Co.
PERMA-NETS, rubber washing nets, Speare Co.
PERMANITE, acid- and alkali-resisting flooring, Maurice A. Knight
PERMA PADS, press and flatwork ironer padding, R. Lally Co.
PERMAPROOF, flameproofing agent, B. F. Goodrich Co.
PERM-A-TEX, nylon press covers, X. S. Smith, Inc.
PERMATIZED, marking tags and tape, indelible marking ink, Wm. J. Nicholson Laboratories
PERMEATE, water emulsifier, Eaton Chemical & Dyestuff Co.
PERMO, flameproofing, mothproofing agent, Per-Mo Products Co.
PERMOBOND, rubber-lined tanks, pipe and pipe fittings, U. S. Rubber Co.
PERMOPAD, pads for handkerchief ironer, Resillo Co.
PERMOTEX, nylon press covers, X. S. Smith, Inc.
PERMUTIT, water softeners, filters, Permutit Co.
PERMUTIT Q, ion exchanger, water conditioner, Permutit Co.
PERONE, hydrogen peroxide, E. I. du Pont de Nemours & Co., Inc.
PERSONALIZED, garment bags, Rassenfoss Bag Co., Inc.
PERSPIR-X, perspiration remover, Paper Chemicals, Inc.
PETAL SMOOTH, starch, Clinton Foods Inc.
PETRO 50, petroleum drycleaning unit, Mercury Cleaning Systems, Inc.
PETRO-JEL, 100% petroleum base combination of paraffin and ironer oil, Victor Zooz Chemical Co.
PETROTHENE, polyethylene, U. S. Industrial Chemical Co., Div. National Distillers & Chemical Corp.
PETRYN, oil, paint and grease remover, Patek & Co.
PFAFF, sewing machines, Pfaff Sewing Machine Sales Co.
PHENOLITE, ironer pad & cover assembly, Gibraltar Fabrics, Inc.
PHENOLITE, non-ionic synthetic soap, New South Mfg. Co., Inc.
PHILABELT PRESERVATIVE, belt dressing, Philadelphia Belting Co.
PHILCO-BENDIX COMMERCIAL, automatic washers, Philco Corp., Commercial Laundry Sales
PHOENIXCAPES, hanger shields, Phoenix Products Co.
PHOENIX "SELF STICK," shirt bands, Phoenix Products Co.
PHOSRITE, soap regenerator, Beach Soap Co.
PHOTOSWITCH, timers, pilots, relays, controls, Photoswitch, Inc.
PHOTRONIC, photoelectric cell, Weston Electrical Instrument Corp.
pH-PLUS, water softener, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
PIAZZA, conversion unit, synthetic drycleaning systems, Piazza Engineering Co.
PICK, water heaters, Pick Mfg. Co.
PICRIN, volatile spotting spotter, R. R. Street & Co., Inc.
PIECE SYSTEM, preprinted tags (piece assembly), Liberty Marking Tag Co., Inc.
PIECE PADS, tags, Stry-Lenkoff Co.
PIEDMONT, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
PILE BRUSH, rug cleaning machine, Certified Chemical & Equipment Co.
PILGRIM, press cloth, Thomaston Mills
PILOT, non-waterproof belt cement, Webb Belting & Supply Co.
PILOTRON, air-operated pilot, Bailey Meter Co.
PINESOL, pine oil break solution, Patek & Co.
PINLUB, wetcleaning soap, Package Chemical Co., Inc.
PIN-O-TEX, pine oil detergent, Slater-Robbins Co., Inc.
PIOLET, buttons, Piolet Button & Novelty Corp.
PIONEER, nylon laundry nets, Benwall Mfg. Co., Inc.
PIONEER, oil cups, Lunkenheimer Co.
PIONEER, wrapping twine, cable cord, Thomaston Mills
PISTON-RING, expansion joint, American District Steam Co., Inc.
PITTCHLOR, calcium hypochlorite, Columbia-Southern Chemical Corp.
PITTSBURGH, paints, Pittsburgh Plate Glass Co., Paint Div.
PITTSBURGH, wire garment hangers, Pittsburgh Hanger Co.
PIXALL, lint remover, John E. Coolidge Co.
PLANER BRAND, leather belting, Philadelphia Belting Co.

PLASTIC INSULATION, insulating cement, Mexico Refractories Co.
PLASTIC QUIK-PACH, plastic firebrick, A. P. Green Fire Brick Co.
PLASTIC SPOTTING BOTTLE, spotting bottles, Warco Laboratories, Inc.
PLASTIC-VU, plastic shirt bag, Time Savers, Inc.
PLAS-TIES, hanger ties and marking flags, Plas-Ties Co.
PLASTYLIN, nylon laundry nets, Carson Textile Co.
PLEASANT ODOR, fur cleaning fluid, Bernard Sirotta Co.
PLEX, digester, Patek & Co.
PLEXTON, reinforced plastic trucks, G. B. Lewis Co.
PLEZURE, a concentrated spotting soap, Caled Products Co., Inc.
PLIOFILM, bags for shirts, garments, blankets, etc., Clear-View Packaging Co.
PLIOJET, smoke eliminators, Plibrico Co.
PLUS, spotter (wet or dry), Adco, Inc.
PNEUMATIC BAGGER, bagging of garments, Detrex Chemical Industries, Inc.
POCKETEERS, pocket forms, Leef Bros., Inc.
POINT-OF-USE, insulated equipment, Remington Rand, Inc.
POLAR BEAR, fur cleaning compound, Walter Haertel Co.
POLAR BEAR, fur cleaner, Nycco Products Co.
POLAR BREEZ, air conditioning units, air washers, air exhausters, Air Cooling Engineering Co.
POLAR GLAZE, liquid glazing solution for synthetic pile and fur coats, Walter Haertel Co.
POLARIS, fur glazing cleaner, Walter Haertel Co.
POLARIZED, wholesale fur cleaning and storage, Walter Haertel Co.
POLAR SHEEN, man made fur cleaner and finisher, Walter Haertel Co.
POLARSUDZ, cold-water built soap, Beach Soap Co.
POLARTONE, laundry sour, G. S. Robins & Co.
POLO, alkaline conditioner, Procter & Gamble Distributing Co.
POLYMARK, marking machines, Pinnacle Products Corp.
POLY PACKER, polyethylene packaging machine, Mercury Cleaning Systems, Inc.
POLY-V, "V" belt drives, Revolite Div., Raybestos-Manhattan, Inc.
POLY-VU, shirt and sweater bags, Time Savers, Inc.
POMONA, turbine pumps, Fairbanks Morse & Co.
PONCHO, wet water repellent, Patek & Co.
PONTAMINE, developers, E. I. du Pont de Nemours & Co., Inc.
POOR PETER PILLOW, complete pillow cleaning service, R. Lally Co.
POPKINS, store fixtures, Popkins Fixture Co.
PORTA-PAK, autographic register, Egry Register Co.
PORTMAR, boiler and water heaters, Portmar Water Heater Co., Inc.
PORTO-FAB, prefabricated buildings, Porto-Fab Co., Inc.
POSTAGE-METER, postage meter tape, Gummed Tape & Devices Co.
POW, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
POWDER DISPENSER, filter powder dispenser, Powder Dispenser Co.
POWER CHARGE, strong drycleaning soap, Benda Products, Inc.
POWER CIRCLE, presses, Prosperity Co., Div., Ward Industries Corp.
POWER-FLEX, underfeed stokers, Link-Belt Co.
POWER-FLOW, roof ventilator, DeBothezat Fans Div., American Machine & Metals, Inc.
POWER-GIANTS, motor trucks, Dodge Div., Chrysler Corp.
POWERMASTER, packaged automatic boilers, Orr & Sembower, Inc.
POWERMASTER, stacker, Lewis-Shepard Products, Inc.
POWERMATIC "50," 50 lb. washer-extractor, Laundry Equipment & Engineering Co.
POWER-PAK, drycleaning detergent, Pennsalt Chemicals Corp.
POWER-PAK, packaged automatic boilers, Orr & Sembower, Inc.
POWERSON, fire-fighting nozzles, American-La France-Foamite Corp.
POWER-VEYOR, permanently mounted horizontal belt conveyor, Rapid-Standard Co., Inc.
POW PLUS, dry powdered soap, Keystone Aniline & Chemical Co., Inc.
POWR PLUS, air-operated laundry presses, Pantex Mfg. Corp.
PRATT & CADY, brass and iron valves, Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
PRE CLEEN, ammoniated prespotter, Benda Products, Inc.
PREE-HEET, return systems, Fred H. Schaub Engineering Co., Inc.
PREGEST, prespotters, Wallerstein Co., Inc.
PRE-KRETE, tank lining special formula cement lining, Patterson-Kelley Co., Inc.
PRE-MARKED STRIP TAG, solvent- and waterproof marking tags, Pre-Marked Strip Tag Co.
PREMIER, gas engine lubricators, Lunkenheimer Co.
PREMIER, nylon laundry nets and dacron nets, Fablok Mills, Inc.
PREMIUM DARCO, activated carbon, Darco Dept., Atlas Powder Co.
PREEN, drycleaning brightener, Tower Chemicals, Inc.
PRE-OIL-BREAK, oil, grease, tar stain remover, wet and dry, Warco Laboratories, Inc.
PREPCO, antiseptic soap, Lincoln Research, Inc.
PREPEL, water repellent, Stamford Chemical Co.
PRESET, a type of free-vane air-operated controller, Bristol Co.
PRESGRIP, self sealing adhesive for shirt bands, Adhesive Products Corp.
PRES-GRIP, shaping and finishing wetcleaned and dyed garments, Pres-Grip Corp.
PRESMOR, nylon press covers, Tingue, Brown & Co.
PRESO, heavy prespotter, G & G Chemical Co.
PRE-SPOTTER, heavy-duty prespotter, Caled Products Co., Inc.
PRE-SPOTTER, prespotter, Patek & Co.
PRESPOTTER S, prespotter, Nu-Pro Mfg. Co.
PRESPOTT XX, prespotter for heavy soil, Lustrol Drycleaning Products, Div. Patek & Co.
PRESS MASTER, electric steam generator, Automatic Steam Products Corp.
PRESS'N 'STIK, truck or window poster, Capitol Poster Service
PRESSTITE, flexible metal connector for modern laundry and pressing machines, American Brass Co., American Metal Hose Div.
PRESTEX ASBESTALL COVERS, press cover for drycleaning presses, bag and padding for pants toppers, Arrow Mfg. Co.
PRESTEX GOLDEN NYLON COVERS, covers for drycleaning presses, Arrow Mfg. Co.
PRESTO, self-sealing paper bands, Nashua Corp.
PREST-O CLEANER, press-head cleaner, Stadham Co., Inc.
PRESTOPRESS, air-operated drycleaning presses, Goldman Pressing Machine Corp.
PRIDE, batch detergent, Lustrol Drycleaning Products, Div. Patek & Co.
PRIDE, washing powder, Swift & Co.
PRIMA BRAND, leather belting, Philadelphia Belting Co.
PRIMARY SIZE, blended starch, Wyandotte Chemicals Corp., J. B. Ford Div.
PRIME SOHP, complete soap, Beach Soap Co.
PRIMS COVER A BUTTON, button molds, William Prym, Inc.
PRINTWEIGH, weight printing scales, Toledo Scales Co.
PROCTOR & SCHWARTZ, automatic shampooing and drying systems for rugs, Proctor & Schwartz, Inc.
PRODUCTIMETERS, counting machines, Durant Mfg. Co.
PRODUCTO, timer, American Laundry Machinery Co.
PROFESSIONAL PORTABLE CLEANING UNIT, upholstery shampooing machine, Multi-Clean Products, Inc.
PROFINE PASTE, fatty ester base fabric finish, Proctor & Gamble Distributing Co.
PROLYTE, enzymic digester, Allen & Vickers, Inc.
PROMATIC, electronic and synchronous motor timers, General Control Co.
PROOF, emulsion type batch soap, Lustrol Drycleaning Products, Div. Patek & Co.
PROSPERITY 55, complete line of laundry and drycleaning equipment, Prosperity Co., Div., Ward Industries Corp.
PROSPERITY, apron duck and cover cloth fabrics, Mount Vernon Mills, Inc.
PROSPERTROL, automatic washer controls, Prosperity Co., Div., Ward Industries Corp.
PROTECTO, identification systems, American Laundry Machinery Co.
PROTECTO, colored fabric pick-up bags, F. H. Bonn Co.
PROTECTOGRAPH, checkwriters, check signers, Todd Co., Inc.
PRO-TEK, protective hand cream, E. I. du Pont de Nemours & Co., Inc.
PROTEEN, protein stain remover, Stamford Chemical Co.
PROTEX, toilet soap, Iowa Soap Co.
PRYM'S ARISTOCRAT, brass pins and safety pins, Wm. Prym, Inc.
PRYM'S SUPER STEEL SONOMOR, pins, safety pins, staples, William Prym, Inc.
PSC UNIVERSAL AIR, air control equipment, Perfecting Service Co.
P22, hand stapler, Arrow Fastener Co.
PUF-FINISHER, puffers, steam puff irons, Bishop David Freeman Co.
PULVOAX, powdered wax, Lewis National Corp.
PURATIZE, mildewproofing, Aqua-Sec Corp.
PURE-FLO, still, Butler Mfg. Co.
PURE-TEX, laundry bactericide, Cidex & Corp.
PURGE-O-SOL, drycleaning soap, G & G Chemical Co.
PURGO, soap builder, Minnesota Chemical Co.
PURITAN, straight pins, map fasteners, Oakville Co., Div., Scoville Mfg. Co.
PURITAN, press cloth, Thomaston Mills
PURITAN, penetrant, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
PURITAN GASKA SEALS, hardening and nonhardening types to repair gaskets, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
PURITY, soap flakes, soap, Iowa Soap Co.
PURITY, sour, Thompson-Hayward Chemical Co.
PURKETT, shakeout and conditioning tumblers, assembly reels, bins, Purkett Mfg. Co.
PURKETT PCT, pre-drying conditioning tumbler, Purkett Mfg. Co.
PURO, spotting compound, Adco, Inc.
PUR-O-CEL, filter, Proportioneers, Inc.
PURODIESEL, lubricating oils for diesel engines, Pure Oil Co.
PUROLENE, lubricating oils, Pure Oil Co.
PUR-O-SAN, drycleaning soap, Huntington Laboratories, Inc.
PURPLE EDGE, padding, Egan Cotton Mills
PUR-WAX, powdered wax, R. Lally Co.
PUSHOMATIC, couplings, Perfecting Service Co.
PYRAMID, laundry nets, R. Lally Co.
PYRATEX, paint, oil, grease remover, R. R. Street & Co., Inc.
PYRO, liquid soap, National Cleaners Chemical Mfg. Co.
PYRO, surface thermometer, Pyrometer Instrument Co., Inc.
PYROFLEX, acid and alkali resisting paints, Maurice A. Knight
PYRON, press covers, Southern Mills, Inc.
PYRO-SOAP, wetcleaning soap, National Cleaners Chemical Mfg. Co.
PYROTON, resistance thermometer, Bailey Meter Co.

Q

Q-D, spotting agent, A. L. Wilson Chemical Co.
Q & S, counter rack, Ink-O-Products Co.
Q-T, heat recirculators, Kisco Boiler & Engineering Co.
Q-CHROMASTIC, veneer coating for furnace walls, Quigley Co., Inc.
Q-CHROME, refractory material, Quigley Co., Inc.
QUADRA-CLENE, rug-washing machine, Moore's Time-Saving Equipment, Inc.
QUADRAFOS, water conditioner, detergent, dispersing agent, Rumford Chemical Works
QUAKER BLUE, laundry blue, Pennsalt Chemicals Corp.
QUAKER, improved, chlorinated lime, bleach, Pennsalt Chemicals Corp.
QUALITEX, press covers, puff iron covers, sponge pads, tumbler pads, press cloths, extractor covers, filter bags, double-face flannel, Quality Products Co.
QUALITY, net pins, Key-Tag Checking System Co.
QUEEN, wire hangers, Vail Mfg. Co.
QUEEN CITY, boilers, tanks and preheaters, Queen City Engineering Co., Inc.
QUICKBAGGER, poly bag maker, Keyes-Davis Co.
QUICK AID, linen fire hose, fire extinguishers, General Detroit Corp.
QUICK ELASTIC, liquid and powdered starch, Hubinger Co.
QUICKLIFT, trucks, Lewis-Shepard Products, Inc.
QUIGLEY, fire brick, Quigley Co., Inc.
QUIK-CUT, wrapping table, Coffman Mfg. Corp.
QUIK-CUT, wrapping table, Norman Control Co.
QUIK-FLEX, thermostatic trap, V. D. Anderson Co., Div. International Basic Economy Corp.
QUIK-LOK, shirt boxes and collar supports, Century Paper Products
QUIK-PAC, laundry packaging supplies, Quik Pac Div., H. Wesley Hutchins Co.
QUIK-PACH, fire brick, A. P. Green Fire Brick Co.
QUIK-STEAM, air-powered press, Butler Mfg. Co.
QUIKTAG, laundry marking tag, Boston Clip & Tag Co.
QUIK-TEMP, heating system, Fred H. Schaub Engineering Co., Inc.
QUILON, chrome complex, E. I. du Pont de Nemours & Co., Inc.
QUINCY, air compressors and vacuum pumps, Quincy Compressor Co.
QWIK-GO, liquid digesting agent, A. L. Wilson Chemical Co.

R

R.C.C., rug cleaning and finishing compound, soaps, Lewis National Corp.
R.C.U., rug and upholstery soap, Keystone Aniline & Chemical Co., Inc.
R.G.F., stain remover, Riverside Mfg. Co.
R-M, asbestos products, packing friction materials and rubber products, Raybestos-Manhattan, Inc.
R & O COMPOUND, shop towel and overall washing compound, Speedlite Chemicals Co., Div. Patek & Co.
ROH, hycar belting, Victor Balata & Textile Belting Co.
RP, high pressure boiler, Titusville Iron Works Co., Div. Struthers Wells Corp.
RP&C, valves, Reading-Pratt & Cady Div. American Chain & Cable Co., Inc.
RSR, digestive spotting agent, Wallerstein Co., Inc.
R-x, spotter, Caled Products Co., Inc.
RACK N' ROLL, polyethylene dispenser, Technical Tape Corp.
RAINBOW, plastic garment hangers, Henry Hanger Co. of America

RAINBOW, spotting pencils, Eaton Chemical & Dyestuff Co.
RAINCOTE, water repellent, Signal Chemical Mfg. Co., Inc.
RAK-GUIDE, rack index for separating garments alphabetically, Para-Lux Products Co.
RAM, drycleaning soap, Adco, Inc.
RAMPELLENT, water repellent, Perm-Aseptic Corp.
RAMSEY, chain drive, chain drive sprockets, shaft couplings, Ramsey Chain Co., Inc.
RAMTITE, plastic refractory, Ramtite Co., Div. S. Obermayer Co.
RANAREX, combustion recorder, Permutit Co.
RANDE, metal press pads, Bergen Machine & Tool Co., Inc., Rande Unit Springs Div.
RAPID POWER BOOSTER, portable power belt conveyor, Rapids-Standard Co., Inc.
RAPID ROLLER, conveyor, Rapids-Standard Co., Inc.
RAPID-WHEEL, conveyor, Rapids-Standard Co., Inc.
RAPISTAN TABLE-VEYOR, belt conveyor to facilitate general handling of laundry bundles, Rapids-Standard Co., Inc.
RAY, oil and gas burners, pumps, Ray Oil Burner Co.
RAY-BAR, clear exterior wood finish that resists rays of sun, The Peters Co., Div. Toledo Paint & Chemical Co.
RAYLENE, sour, Wyandotte Chemicals Corp., J. B. Ford Div.
RAYS, tape, Speare Box Co., Inc.
RAYS KRAFT, packaging supplies, Speare Box Co., Inc.
RAYTEN, cold-water soap, John T. Stanley Co., Inc.
READY-PACK, cast split repair sleeves, Dresser Mfg. Div., Dresser Industries, Inc.
RECEIV-O-MARKER, identification systems, Best Forms Co.
RE-CIRK-IT, circuit breakers, Heinemann Electric Co.
RECLAMITE, stain remover, H. Kohnstamm & Co., Inc.
RECORDAK, accounting machines and systems, record systems, Recordak Corp.
REC-TONE, drycleaning detergent, Riverside Mfg. Co.
RED ARROW, feed ribbon, Southern Mills, Inc.
RED CHIEF, rubber belting, Webb Belting & Supply Co.
RED EDGE, pads and padding for flatwork ironers and press machines, Knitted Padding Co.
RED FLASH, water heaters, Pick Mfg. Co.
RED & GREEN LINE, laundry fabrics, Hettrick Mfg. Co.
REDI-COUNT ROLLS, identification system, Pittsburgh Tag Co.
REDI-CUT, flannel press pads, F. H. Bonn Co.
REDILIFT, trucks, Lewis-Shepard Products, Inc.
REDI-MARK, strip tags, Pittsburgh Tag Co.
REDI-TAG, pre-printed marking tag, Larton Products Co., Inc.
RED LABEL, tallow soap, Beach Soap Co.
RED LINE, flatwork ironer aprons, Pittsburgh Waterproof Co
RED-LINE, garment drier, Hopkins Equipment Co.
RED LINE, greases, oils, lubricants, Union Oil Co. of California
REDOTEX, neutral red oil flakes and powder, Allen B. Wrisley Co.
RED STAR, diapers, towels and toweling, George Wood Sons & Co.
RED STAR, feed ribbons, New York Belting & Packing Co.
REDUCTORS, speed reducers, Boston Gear Works, Inc.
REDUX, indelible ink remover, Boston Clip & Tag Co.
RED-WHITE-BLUE, matched pants and shirts for rental uniforms, Shreveport Garment Mfg. Co.
REE-DRAPE, dry sizing and finishing compound, drycleaning, Riverside Mfg. Co.
REESCO, powdered laundry soap, Minnesota Chemical Co., Inc.
REE-TONE, drycleaning detergent, Riverside Mfg. Co.
REEVES ARMY TWILL, uniform cloth, Reeves Brothers, Inc.
REFINITE, zeolite water softeners, Elgin Softener Corp.
REFLEXIT, replasticizer, Patek & Co.
REGAL, engines, Ames Iron Works
REGAL, neutral synthetic detergent, Armour & Co., Industrial Soap Dept.
REGULAR DRI SHEEN, detergent for charged system, Adco, Inc.
REGULAR SOUR, sours, Keever Starch Co.
REINTJES, dependable arches, suspended walls, Geo. P. Reintjes Co.
REKAB, powdered soap, soap chips, Minnesota Chemical Co.
RELIABLE, fur cleaning, glazing and fur storage equipment, Reliable Machine Works, Inc.
RELIABLE, orlon-dynel cleaning supplies and cleaning machines and finishing equipment, Reliable Machine Works, Inc.
RELIANCE, a.c. and d.c. motors, motor generators, Reliable Electric & Engineering Co.
RE-LOGIK, powdered soap, Minnesota Chemical Co.
REMA "DRI-VACS," air vacuum systems for presses, Rema Corp.
REMINGTON, electric typewriters, accounting and calculating machines and other office equipment and supplies, Remington Rand, Inc.
REMO, cover-cloth fasteners, rack clips, net and marking pins, trays, safety and steel pins, overall tags, sorting racks, Risdon Mfg. Co.
RENARDS', leather cleaning and dyeing, Renards'
RENEWO, angle, check and globe valves, Lunkenheimer Co.
RENEX, detergents, Atlas Powder Co., Industrial Chemicals Dept.
RE-NU, potash saponified resin and fatty acids, Armour & Co., Industrial Soap Div.
RE-NU-IT, solvent pump, Viking Pump Co.
RENUTEX-SIZE, garment finishing agent, Marclene Chemical Corp.
REO, motor trucks, Reo Motors, Inc.
REP, water repellent, R. R. Street & Co., Inc.
REPELEX, water repellent, Dixo Co.
REPEL-O-MOTH TANK, mothproofing equipment, Repel-O-Products Div., North American Merchandising Co.
REPUBLIC, controls, instruments, Republic Flow Meters Co.
RE-PURGO, powdered soap, Minnesota Chemical Co.
RESEARCH, leather belting, Graton & Knight Co.
RESEARCH, zeolite, Research Products Corp.
RESILLO, press pads, Resillo Press Pad Co.
RESIN FELT, nylon D. F. flannel, heat resistant, Gibraltar Fabrics, Inc.
RESINTEX, nylon press cloths and press covers, Gibraltar Fabrics, Inc.
RESISTI-CAL, weather-proofing product, Caled Products Co., Inc.
RESISTO, industrial marking ink, National Marking Machine Co.
RESIZET, sizing, R. R. Street & Co., Inc.
RESLABS POWDER BLEACH, fine fabric bleach, Reslabs, Inc., Div., Linco Products Corp.
RESSYN, zeolite, Hungerford & Terry, Inc.
RESTORTEX, liquid sizing, National Cleaners Chemical Mfg. Co.
RESYN ADHESIVES, glues, gums, sizings, starches, National Starch Products, Inc.
RETRON, flatwork ironer, American Laundry Machinery Co.
REVERE, copper and brass, Revere Copper & Brass, Inc.
REVERE SHOWMASTER, floodlights and lighting equipment, Revere Electric Mfg. Co.
RE-VI, water repellents, Davies-Young Soap Co.
REVOLITE, asbestos flatwork ironer covers and pads, Revolite Div., Raybestos-Manhattan, Inc.
REVOLON, ironer tape, Revolite Div., Raybestos-Manhattan, Inc.
REX, soluble liquid drycleaning soap, Davies-Young Soap Co.
REX, tool steels, Crucible Steel Co. of America
REXAIR, vacuum cleaner, Prosperity Co., Div., Ward Industries Corp.
REXALLOY, cast tool bits, Crucible Steel Co. of America
REX-FLEX, metal hose, Flexonics Corp.
REX-TITE, heat-proof reattachable couplings, Flexonics Corp.
REX-TUBE, flexible metal hose, Flexonics Corp.
REXWELD, drill steel, Crucible Steel Co. of America
REX-WELD, metal flexible hose, tubing, Flexonics Corp.
REZ, synthetic solvent conditioner, L. A. Salomon & Bros., Inc.
REZ, charged soap solvent conditioner, U. S. Mining Corp.
REZEX, resinous zeolite, Elgin Softener Corp.
REZISTAL, stainless steel, Crucible Steel Co. of America
REZONE, resinous zeolite, Elgin Softener Corp.
R-51, drycleaning unit, Shields Engineering & Mfg. Co.
R-51A, drycleaning unit, Shields Engineering & Mfg. Co.
R. H. CONTROL, electronic drycleaning relative humidity control, Adrian Research & Chemical Co.
RHIN AMEL, heavy duty enamel, Tropical Paint & Oil Co.
RHINO, nylon laundry net, Carson Textile Co.
R. H. P. CASCADE, laundry washer with removable horizontal partitions, American Laundry Machinery Co
RIBBON DELUXE, cotton ribbon, Milwaukee Printed String Co.
RIBBON RITE, marking machine, Textile Marking Machine Co., Inc.
RIBNET, nylon laundry net, Carson Textile Co.
RICE'S, paint products, Barreled Sunlight Paint Co.
RIDDAX, special alkali compound, Wyandotte Chemicals Corp., J. B. Ford Div.
RIMACO, size, stripper, wetcleaning soap, Riverside Mfg. Co.
RIMACO GENERAL FORMULA, ink and stain remover, Riverside Mfg. Co.
RINFORS DC, detergent, drycleaning, charge type, Sandoz Chemical Works, Inc.
RINFORS S, paint and grease remover, Sandoz Chemical Works, Inc.
RINK-L-FREE, garment distributor, Time Savers, Inc.
RINSOMATIC, laundry washer control, American Laundry Machinery Co.
RINSPEED, built soap for automatic laundries, Beach Soap Co.
RINTEX, soap and alkali compound, Wyandotte Chemicals Corp., J. B. Ford Div.
RINZAID, rinse promoter, Speedlite Chemicals Co., Div. Patek & Co.
RISDON, button pins and straight pins, Risdon Mfg. Co.
RISOGRAN, powdered soap, Allen B. Wrisley Co.
RITESIZE, dry to the wheel linen sizing, Speedlite Chemicals Co., Div. Patek & Co.
RITE-TEMP, solvent cooler, pleat holder, Rite-Temp Mfg. Co.
RIVERSIDE, wet spotter, carpet shampoo, stripper, Riverside Mfg. Co.
ROADOL, paint, oil and grease remover, Package Chemical Co., Inc.
ROADOL L, wet spotter, Package Chemical Co., Inc.
ROBERTS, numbering machine, Roberts Numbering Machine Co.
ROBERTS, press boards, Roberts Mfg. Co.
ROBINETS, laundry nets, G. S. Robins & Co.
ROBINS, acetic sour, G. S. Robins & Co.
ROBOT, self-contained automatic washers, Robot Laundry Machinery Sales, Div. Wolf Co.
ROCCAL, germicide, Sterwin Chemicals, Inc.
ROCKET, laundry presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ROCKET-PER, synthetic solvent drycleaning unit, Vic Manufacturing Co.
ROCKWEAVE, laundry textiles, aprons, cover and filter cloth, double-face flannel laundry nets and wrapping twine, Callaway Mills, Inc.
RO-FLO, air compressors, vacuum pumps, Allis-Chalmers Mfg. Co.
ROK-RIB, nylon laundry nets, Whitehouse Nylon Products
ROLA-RUG, rug rolling and packaging machines, Lincoln Products, Inc.
ROLL-A-TAPE, marking tape, Liberty Marking Tag Co., Inc.
ROLLERVEYOR, roller, conveyor, Mechanical Handling System, Inc.
ROLL-ON-SEAL, gummed tape dispensers, Roll-on-Sealer Co.
ROLL-OVER, barrel and drum cradles (15 to 55 gal. drums), Paul O. Young Co.
RONAFLEX, elastic synthetic tubing with woven metal wire cover, Ronaflex Tubing Co., Inc.
RONNINGEN, quick coupling fluid filters, manual and automatic, Ronningen-Petter Co.
RO-NOR, stain remover, H. Kohnstamm & Co., Inc.
ROOFKOTER, roof material, Tropical Paint & Oil Co.
ROOT BAGGER, garment bagger, Huebsch Originators
ROSS, solvent coolers, heat exchangers, Ross Heat Exchange Div.
ROSWELL, woven nylon laundry nets, Southern Mills, Inc.
ROTAIRE, continuous conditioning tumbler, American Laundry Machinery Co.
ROTAY, condensation meters, American District Steam Co., Inc.
ROTARY, soot blower, Marion Machinery Foundry & Supply Co.
ROTARY UNION, revolving steam joint, Perfecting Service Co.
ROTEX, drycleaning extractor, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ROTH, boiler feed units, pumps, Roy E. Roth Co.
ROTO BRUSH, portable, electric upholstery shampoo machine, Certified Chemical & Equipment Co.
ROTO-KLEEN, filter, Bowser, Inc.
ROTO-MATIC, rotating laundry process units, Unipress Co., Inc.
ROTO-SCREEN, waste water screening device, Patterson-Kelley Co., Inc.
ROTO-SORTER, Kleen-Hamper, Inc.
ROUND "R," steel boiler, coal, oil, gas stoker, Kewanee Boiler Corp.
ROUND THE BUTTON, shirt-ironing press pads, Resillo Co.
ROYAL, brass safety pins, Risdon Mfg. Co.
ROYAL, medium titer, coco-tallow chip, neutral soap, Armour & Co., Industrial Soap Div.
ROYAL, rubber hose, rubber belting, U. S. Rubber Co.
ROYAL CALENDER, cylinder type flatwork ironer, American Laundry Machinery Co.
ROYAL FLASH, match book, Universal Match Corp.
ROYAL OAK, leather belting, Webb Belting & Supply Co.
ROYAL PINE, soaps, Iowa Soap Co.
ROYAL WORCESTER, lace leather, Graton & Knight Co.
RP NO. 757, stain remover, H. Kohnstamm & Co., Inc.
RUBA-WEEV, rubber runner matting, American Floor Products Co.
RUBBERALL, basket liners, shirt bags, aprons, Toptex Corp.
RUBBER BASE, primer sealer, Tropical Paint & Oil Co.
RUBBER CITY, roofing materials, Rubber City Mfg. Co.
RUBEROID, built-up roofing materials, Ruberoid Co.
RUBINOFF, tags, certificates, guarantees and supplies, M. Rubinoff, Inc.
RUG BRITE, rug fibre brightener, Ultra White Co.
RUGGLO, rug cleaning soap, Merson Products Co.
RUG-IT, rug cleaning detergents, Certified Chemical & Equipment Co.
RUG-O, rug and carpet soap, Davies-Young Soap Co.
RUG RITE, sour, Coastal Chemical Corp.
RUG SHAMPOO, rug and upholstery cleaning soap, Caled Products Co., Inc.
RUSCO, belts, beltings and webbing, Russell Mfg. Co.
RUSO, fuel oil treatment, National Chemical Sales Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

RUST BAR, paint, rust preventative, Midland Paint & Varnish Co.
RUST-E-LIM, rust remover, Johnson Chemical Industries, Inc.
RUSTEX, sour, Hood Chemical Co., Inc., Crescent Div.
RUSTEZE, rust solvent, Hood Chemical Co., Inc., Crescent Div.
RUST-GO, rust remover, A. L. Wilson Chemical Co.
RUST REMOVER, removes metallic stains, Lustrol Drycleaning Products, Div. Patek & Co.
RUSTICK, rust remover, National Cleaners Chemical Mfg. Co.
RUSTICON SS, rust preventative, Philadelphia Quartz Co.
RUSTIKOTE, rust preventative, Tropical Paint & Oil Co.
RUSTYRASE, rust remover, Hachik Bleach Co.

S

S-A, anti-sulfuric-acid valves, Lunkenheimer Co.
S.E.B., wetcleaning soap, E. F. Drew & Co., Inc.
S.I.S., roofing, Barrett Div., Allied Chemical & Dye Corp.
SOH, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
SP, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
S-R, spotter for brown and yellow stains, Caled Products Co., Inc.
SSS, anhydrous silicate builder, Patek & Co.
SABIN, glove cleaning machines, Sabin Machine Co.
SACO, speed reducers, Stephens-Adamson Mfg. Co.
SACON, belt conveyor carriers, Stephens-Adamson Mfg. Co.
SACON, water soluble size, Wallerstein Co., Inc.
SAFEGUARD, fuel oil heater, Alstrom Corp.
SAFE KUTTERS, cord knife, Time Savers, Inc.
SAFE-TIE ANCHORS, refractory anchors, Ramtite Co.
SAFE-T-BLEACH, organic chlorine bleach, Speedlite Chemicals Co., Div. Patek & Co.
SAFE-TO-ALL, spotting solvent, Warco Laboratories, Inc.
SAFE-T-SOL, dry oil, paint and grease remover, Patek & Co.
SAFE-T-THRIFT, safety solvent unit, Butler Mfg. Co.
SAFETY, diapers, Sani-Top Co.
SAFETY LINEN SOUR, sour, Diamond Alkali Co.
SAFETY-LOCK, nylon laundry net, Gibraltar Fabrics, Inc.
SAFEX TRUCLEEN, petroleum solvent drycleaning unit, American Cleaners Equipment Co., Div., American Laundry Machinery Co.
SAF-T-BAK, non skid rug backing, Testworth Products Corp.
SAF-T-MARK, marking tags, Stry-Lenkoff & Co.
SAGER SPREADERS, sheet spreaders, M. A. Pocock
SAK-RAK, bag holder, pre-marking containers, cloth bags, Sak-Rak Co.
SALVE-O-LIN, skin salve, Keystone Aniline & Chemical Co., Inc.
SAMOSET, soap, Lewis National Corp.
SAMSON, packing, U. S. Rubber Co.
SAMSONMITE, filter bags, feather bags, extractor covers, soap whips, starch whips, tumbler pads, Manitowoc Cotton Goods Mfg. Co.
SANA-FILTER, low-pressure, filter-type soap, Huntington Laboratories, Inc.
SANA-SIZE, sizing, Huntington Laboratories, Inc.
SANDOFIX WE, fixing agent (dyes), Sandoz Chemical Works, Inc.
SANDOLIX O, leather softener, Sandoz Chemical Works, Inc.
SANDOPAN DTC, detergent, special wet cleaning, Sandoz Chemical Works, Inc.
SANEX, dry, neutral mothproofing agent for use in the wheel, Signal Chemical Mfg. Co., Inc.
SANICO, drycleaning soap, Dello Products Co.
SANI-DET, sanitizers, Coastal Chemical Corp.
SANI-DUST CONTROL, germicidal dust control, Talb Industries, Inc.
SANI-MATIC, brush-spotting machine, Sani-Matic Brusher
SANIMASTERS, water heaters, Ruud Mfg. Co.
SANI-SOUR, antiseptic, all-purpose sour, Keever Starch Co.
SANITEX, baskets, trucks, bags, C. R. Daniels, Inc.
SANITONE, drycleaning process, Emery Industries, Inc., Sanitone Div.
SANITONE "D," prespotter, Emery Industries, Inc., Sanitone Div.
SANITONE 870, solvent conditioner, Emery Industries, Inc., Sanitone Div.
SANITONE MC, mothproofing compound, Emery Industries, Inc., Sanitone Div.
SANITONE SOFT SET, wool finishing oil, Emery Industries, Inc., Sanitone Div.
SANITONE SR, smoke remover, Emery Industries, Inc., Sanitone Div.
SANITONE STYLE SET, silk size, Emery Industries, Inc., Sanitone Div.
SANITONE, 30-90, dry cleaning detergent, Emery Industries, Inc., Sanitone Div.
SANITONE WR, water repellent, Emery Industries, Inc., Sanitone Div.
SANI TOP, diaper cans, diaper pails, deodorants, Sani-Top Co.
SANI-TYPE, heat reclaimer, Patterson-Kelley Co., Inc.
SANI-WHITE, bleach, G. S. Robins & Co.
SAPOTEX, soap compound, G. S. Robins & Co.
SAPPHIRE, stripper and stain remover, Lewis National Co.
SARCO, steam traps, temperature regulators, Sarco Co., Inc.
SARCOCIDE, sour, Slater-Robbins Co., Inc.
SARCO-CONCENTRATE, paint and grease remover, Slater-Robbins Co., Inc.
SARCOFIN, radiation baseboard and fin-type, Sarco Co., Inc.
SARCOFLOW, balancing fittings, Sarco Co., Inc.
SARCO-MIST, moth spray, Slater-Robbins Co., Inc.
SARCOSTAT, motor-operated valve, Sarco Co., Inc.
SARCO-SOL, paint and grease remover, Slater-Robbins Co., Inc.
SARCO-TEX, wetcleaning detergent, Slater-Robbins Co., Inc.
SARCOTHERM, weather compensated controls, Sarco Co., Inc.
SATINETTE, combination starch, Keever Starch Co.
SAV-A-LOAD, extractor covers, F. H. Bonn Co.
SAVO, 92% powder soap, John T. Stanley Co., Inc.
SAVONOL, wet spotter, Patek & Co.
SAVOY, zippers and zipper parts, B. & G. Lieberman Co., Inc.
SAV-WAY TAGS, piece-control marking tags, Pre-Marked Strip Tag Co.
SAXMAYER, tying machine, National Bundle Tyer Co.
SAYVE, prebuilt commercial building for drycleaning and laundry feeder plants, for coin operated laundries, Sayve Corp. of America.
SAYVE "DRIVE-AROUND DRAWER," drawer assembly for servicing customers in automobiles, Sayve Corp. of America
SCALE-I-CATER, boiler compound, W. F. Johnson Products Co.
SCHAUB, boiler feed and condensation return systems, Fred H. Schaub Engineering Co.
SCHAUB HEAT RECLAIM SYSTEM, return system providing maximum temperature of boiler feeder without live steam addition, Fred H. Schaub Engineering Co.
SCHRAMM, air compressors, Schramm, Inc.
SCIENTIFIC, boiler water treatment, Scientific Boiler Water Conditioning Co.
SCOT, shirt packers, MacDonald Services
SCOTCH BRAND, tapes for the cleaning industry, Minnesota Mining & Mfg. Co.
SCOTCH GARD, stain repellent chemical treatments, Minnesota Mining & Mfg. Co.
SCOTSMAN, washers, Ayr-Mor Machinery Co., Inc.
SCOTTIE, JR., high-pressure riveted boilers, Kewanee Boiler Corp.
SCRAM BLOOD, blood remover and wet spotter, Warco Laboratories, Inc.
SCRUB, spot remover, Starr Soap & Chemical Co., Inc.
SCRUB-O-MATIC, garment scrubber, Hopkins Equipment Co.
SD-130, drycleaning tumbler, Hoyt Mfg. Corp.
SEABLUE, blue, Speare Co.
SEA FOAM, soap powder, Colgate-Palmolive Co.
SEALED POWER, totally enclosed fan-cooled motors, Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works
SEAL MASTER, ball bearings, Stephens-Adamson Mfg. Co.
SEAL SILICATE, silicate adhesive, Philadelphia Quartz Co.
SEALTITE, flexible, liquid-tight electrical wiring conduit, American Brass Co., American Metal Hose Div.
S.E.B. CONCENTRATED, silk and wool soap, E. F. Drew & Co., Inc.
SEC, combination washer extractors, solvent coolers, filters, press, solvent recovery units, Sec-O-Matic Corp.
SEC-CLEANIZED, drycleaning process, Sec-O-Matic Corp.
SECCO, dry water repellent, Patek & Co.
SECTOFOG, moth protection by fogging, Fumol Corp.
SECURITY, marking pins, Risdon Mfg. Co.
SEE-SAFE, plastic storage and blanket bags, Mehl Mfg. Co.
SELECTA-SPOT, color code spotting method, Caled Products Co., Inc.
SELECTRO, washer control, American Laundry Machinery Co.
SELF-SEAL, adhesive shirt bands, National Paper Band Co.
SELF SERVICE ASSEMBLY, F. W. I. padding (nylon & cotton), Gibraltar Fabrics, Inc.
SELF-STICK, shirt bands, Phoenix Products Co.
SELLERS, steam boilers, open return systems, Sellers Engineering Co.
SENECA, soap, Lewis National Corp.
SENECA, starch, H. Kohnstamm & Co., Inc.
SENIOR, lubricators, Lunkenheimer Co.
SENIOR COLLECTOR CART, aluminum or steel soiled linen or laundry cart, Paul O. Young Co.
SENSIMATIC, accounting machines, Burroughs Adding Machine Co.
SENSITROL, relay, Weston Electrical Instrument Corp.
SENTREX, washer control, American Laundry Machinery Co.
SENTRY, 24 hour dial watchman's clock, Lathem Time Recorder Co.
SEPARIN 2610, chemical water conditioners, Dow Chemical Co.
SEQUESTRENE, water softener, Alrose Chemical Co., Div. Geigy Chemical Corp.
SENTINEL, oil cup, Lunkenheimer Co.
SEPTO-SOUR, sour, Diamond Alkali Co.
SERDEX, gauges, solvent humidity control, Serdex & Co.
SERL, rug location, shampoo, Tower Chemicals, Inc.
SERVIS RECORDER, time and truck recorders, Service Recorder Co.
SESQUILATE, laundry detergent and soap builder, Diamond Alkali Co.
SETLOW, uniforms, M. Setlow & Son, Inc.
7C, drycleaning presses, Prosperity Co., Div. Ward Industries, Inc.
"7/11" CLOTH, laundry flatwork ironer cloth, R. Lally Co.
770, spray-dried to homogeneous free-flowing beads, Lever Brothers Co.
1707, blue, H. Kohnstamm & Co., Inc.
"75" COLLECTOR CART, cart for soiled linen or laundry cart, Paul O. Young Co.
727, curtain and blanket wetcleaning product for wheel washing, Caled Products Co., Inc.
722, rug and carpet soap, Caled Products Co., Inc.
SHAMROCK, canvas baskets, hampers, trucks, plastic washroom trucks, Meese, Inc.
SHAMROCK, F. W. I. apron duck, R. Lally Co.
SHAMROCK, auto-veyor, Automatic Specialties, Inc.
SHAMROCK COMBI-VEYOR, combination shirt and drycleaning conveyor, Automatic Specialties, Inc.
SHAMROCK LAUNDRI-VEYOR, call office laundry conveyor, Automatic Specialties, Inc.
SHAMROCK SHIRT-VEYOR, call office shirt conveyor, Automatic Specialties, Inc.
SHAW, collar edger, Reed Mfg. Co.
SHEDITE, waterproof belt cement, I. B. Williams & Sons
SHEEN, sizing, Patek & Co.
SHELBY, tubing, National Tube Co.
SHELL-SOL 14, 140 flash solvent, Shell Oil Co.
SHELL-SOL 105, naphtha, petroleum solvent, Shell Oil Co.
SHELL-SOL 36, stoddard solvent, Shell Oil Co.
SHELL-SOL, 360 SOLVENT, stoddard solvent, Shell Oil Co.
SHELLWAX, fully refined paraffin wax, Shell Oil Co.
SHELV-I-CART, laundry cart with shelves for clean linen, Paul O. Young Co.
SHENE, floor wax, Concord Chemical Co., Inc.
SHERWIN-WILLIAMS, paints, varnishes, enamels, lacquers for maintenance purposes, Sherwin-Williams Co.
SHIELDS, drycleaning units, reclaimers, tubular filters, Shields Engineering & Mfg. Co.
SHINE BRIGHT, liquid scrubbing soap, Hild Floor Machine Co., Inc.
"SHIPPER," two-wheel hand truck, Paul O. Young Co.
SHIPSAFE, bags, Lanning Bag & Specialty Co.
SHIRLAN, textile fungicides, E. I. du Pont de Nemours & Co., Inc.
SHIRTAINER, shirt packaging, Loroco Industries, Inc.
SHIRT BIN, for conveying shirts, J. W. Steele & Co.
SHIRT CHUTE, metal chute for shirt handling, Rosenthal Mfg. Co.
SHIRT PAX, combination shirt board, collar support and box, Package Masters, Inc.
SHIRT "QUICK PACK," shirt bag, paper, Gaylord Container, Div. Crown Zellerbach Corp.
SHIRTRANSPORT, shirt transporter, Bishop David Freeman Co.
SHIRT VALET, Shirt Valet Rental Plan, Inc.
SHIRT-V-LOPE, printed cellophane shirt bag, Lee Converters, Inc.
SHOO, odor destroyer, Caled Products Co., Inc.
SHOWERFEED, floor, rug and carpet scrubbing machines, Hild Floor Machine Co., Inc.
SHOP-IN-CAR, rolling call-counter window shelf for drive-in plant, Shop-In-Car Corp.
SHOWBAG, transparent plastic bags, Central States Paper and Bag Co., Inc.
SHOWER-PRUF, water repellent, Adco, Inc.
SHREDDED, 88% flake soap, John T. Stanley Co., Inc.
SIBUR, mothproofing agent, Sibur Mothproofing Co.
SIDE AISLE, truck bodies, Montpelier Mfg. Co.
SIEBRING, electromatic steam boiler, Siebring Mfg. Co.
SIG, protein spot remover, Signal Chemical Mfg. Co.
SIGNAL, flameproof, insecticide, Signal Chemical Mfg. Co., Inc.
SIGNAL CONTACT SPRAY, insecticide, Signal Chemical Mfg. Co., Inc.
SILENT SERF, vacuum cleaner (industrial, wet and dry), Certified Chemical & Equipment Co.
SILA-HAND, protective hand cream, Warco Laboratories, Inc.
SIL-EX, black metal washer, Gross Machinery Co., Inc.
SILICON, spun nylon press cover, Phoenix Supply Co.
SILIC-O-NECTIC, time delay relays, Heinemann Electric Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

SILKANWOOL, silk and wool soap, North Coast Chemical & Soap Works
SILK AND WOOL SOAP, cocoanut oil soap, Patek & Co.
SILTEX, FLAKES, medium-titer soap, Allen B. Wrisley Co.
SILVER KOTE, lacquer, Pittsburgh Waterproof Co.
SILVER LABEL, hatters equipment and supplies, National Hatters Supply Co.
SILVER LEAF, nets, Southern Mills, Inc.
SILVERLINK, roller chains, sprockets, Link-Belt Co.
SILVERSEAL, colored specialty tapes, Gummed Tape & Devices Co.
SILVER-SEAL, extractor covers, R. Lally Co.
SILVERSHINE, galvanized garment hangers, U. S. Metals Corp.
SILVERSTREAK, silent chain drives, Link-Belt Co.
SILVERTEEN, wire hangers, Academy Hanger Co., Inc.
SILVERTOP, air release valve, V. D. Anderson Co., Div. International Basic Economy Corp.
SIMCO MIDGET, static eliminators, Simco Co.
SIMMONS, cuff and tag tacking machines, Chandler Machine Co.
SIMMONS ELECTRO-MEND, mending and patching machines, Chandler Machine Co.
SIMPLEX, soap, H. Kohnstamm & Co., Inc.
SIMPLEX, laundry tumblers, extractors and washers, flatwork ironers, drycleaning tumblers, Speed Queen, Div. McGraw-Edison Co.
SIMPLEX, office machines, time recorders, Simplex Time Recorder Co.
SIMPLEX, oil burners, Simplex Oil Heating Corp.
SINGER, sewing machines, accessories, Singer Sewing Machine Co.
SIPON, wetcleaning detergent, American Alcolac Corp.
SIRCO, tropical nut shells for fur cleaning, Bernard Sirotta Co.
SIRCO FUME, liquid fumigating gas, Bernard Sirotta Co.
SIROCCO, ventilating fans, American Blower Corp., Div. American-Standard
6-T, benzine soap, Midland Color & Chemical Co.
630, paste type drycleaning soaps for caustic or distillation clarification systems, Caled Products Co., Inc.
SIZ-A-TIZE, concentrated dry sizing, Dixo Co.
SIZE, water-soluble size finish, Davies-Young Soap Co.
SIZE-ALL, liquid sizing, Keystone Aniline & Chemical Co., Inc.
SIZE-RITE, dry sizing, Warco Laboratories, Inc.
SIZEX, solvent soluble sizing, Stamford Chemical Co.
SIZIN, sizing, wet side, Eaton Chemical & Dyestuff Co.
SIZ-IN, hat sizing, Greenville Chemical Co.
SKALO, boiler compound, Marvel Mfg. Co.
SKELLYSOLVE-S, stoddard solvent, Skelly Oil Co.
SKELLYSOLVE-T, petroleum solvents, Skelly Oil Co.
SKIRT KLIPS, skirt clips, West Side Corp.
SKORTEX, wetcleaning compound, Wyandotte Chemicals Corp., J. B. Ford Div.
SKY ROCKET, extractors, Hammond Laundry-Cleaning Machinery Co.
SKYTINT, liquid laundry blue, Kliegman Bros., Inc.
SLACKS SAKS, trouser bags, Phoenix Products Co.
"SLEEPING COLLAR" SHAPER, collar shaper, Prosperity Co., Div., Ward Industries Corp.
SLEEVE-MASTER, single lay sleever, Forse Corp.
SLICK-EZ WAX AND CLEANER plant maintenance, Davies-Young Soap Co.
SLICK TRAILER, call office for laundry and drycleaning, Slick Trailer Stores
SLICKER, wire brushes, American Pressboard Co., Inc.
SLIP EASY BRAND, motor oil, boiler and roofing materials, Riverside Chemical Co., Inc.
SLIP-IN, collar protectors, Phoenix Products Co.
SLIP-KNOT, belt dressing, Webb Belting & Supply Co.
SLIP-NOT, special tanned leather belting, Milwaukee Leather Belting Co.
SLIP-ON, hanger shields, Academy Paper Box Co.
SLIP-ON, hanger shields, Larton Products Co., Inc.
SLIP-ON, sleeve press covers, F. H. Bonn Co.
SL-230, tumbler, laundry, rug & carpet, Hoyt Mfg. Co.
SLO-SPEED, electric power drive, Sterling Electric Motors, Inc.
SLYDE-OUT, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SMASH, break powder, Minnesota Chemical Co.
SMITH-GRANTHAM, tumbler, and washer, T. L. Smith Co.
SMOOTHIE, fabric softener, Abso-Clean Chemical Co.
SMOOTH-O-MATIC, shelf type vendors, Abso-Clean Chemical Co.
SMOOTH-TEX, press cloth, feed ribbons, Pittsburgh Waterproof Co.
SNAG-PRUF, zippers and zipper repair kits, Steven, Michael Corp.
SNA-PON, trouser guards, Tillery Container Corp.
SNAP-TITE, cover-cloth clamp, J. W. Steele & Co.
SNIFF-O-MISER, solvent vapor adsorber, Hoyt Mfg. Corp.
SNO MUD CHIEF, truck tires, Mohawk Rubber Co.
SNOWFINE CRYSTALS, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
SNOWFLAKE CRYSTALS, sodium sequicarbonate, Solvay Process Div., Allied Chemical & Dye Corp.
SOAP-O-MATIC, soap dispenser, Hopkins Equipment Co.
SOAPRITE, soap, Lewis National Corp.
SODIUM METASILICATE, hydrated and anhydrous laundry detergent and soap builder, Diamond Alkali Co.
SOF-T, textile softener paste, Marlyn Chemical Co., Inc.
SOFTEE, pressure and vacuum filters, Hammond Laundry-Cleaning Machinery Co.
SOF-T SEPTIC, textile softener paste with germicidal agent for diaper service, Marlyn Chemical Co., Inc.
SOFTEY, diapers, Sani-Top Co.
SOFT'N, fur skin softener, Zimmerman Products
SO-GO, wetcleaning soap, A. L. Wilson Chemical Co.
SOILSORB, adsorbent laundry detergent, Cowles Chemical Co.
SOIL-SOLV, cement stain remover, Tower Chemicals, Inc.
SO-KLEEN PENETRANT, drycleaning detergent, Merson Products Co.
SO KLEEN SY, synthetic drycleaning soap, Merson Products Co.
SOLAR H.D., laundry, rug, carpet and wetcleaning soaps, Swift & Co., Industrial Soap Dept.
SOLARINSE, optical whitener, Carlton Chemical Co., Inc.
SOLAR NEUTRAL, neutral alkyl arye sulfonate for wet cleaning, Swift & Co., Industrial Soap Dept.
SOLAR NP, liquid ethylene oxide condensate, Swift & Co., Industrial Soap Dept.
SOLAR REGULAR, liquid amine condensate, Swift & Co., Industrial Soap Dept.
SOLARSUDS, detergent, Carlton Chemical Co., Inc.
SOLAR 25, high sudsing liquid detergent, Swift & Co., Industrial Soap Dept.
SOLBLUE, blue, Speare Co.
SOL BREAK, break powder, Lewis National Corp.
SOLBUMEN, spotting agent, Eaton Chemical & Dyestuff Co.
SOL-ESCO, industrial laundry detergent, Cowles Chemical Co.
SOLGON, paint remover, Lewis National Corp.
SOLID CURB, laundry, drycleaning extractors, American Laundry Machinery Co.
SOLIT-AYR, washers, tumblers, extractors, Ayr-Mor Machinery Co., Inc.
SO-LITE, filter powder, Great Lakes Carbon Corp.
SOLIVE, soaps, Lewis National Corp.
SOLOX, proprietary denatured alcohol, general purpose solvent, U. S. Industrial Chemicals Co., Div. National Distillers & Chemical Corp.
SOLOZONE, sodium peroxide, E. I. du Pont de Nemours & Co., Inc.
SOL-SIL-ATE, alkali soap builder, Lewis National Corp.
SOL-SIL-ATE, special alkali compounds, Speare Co.
SOL-SOUR, sour, Lewis National Corp.
SOL SUDS, soap, Lewis National Corp.
SOL-TEMP, solvent temperature control unit, Benton Bros.
SOLTEX, drycleaning detergent, Riverside Mfg. Co.
SOLUBON, textile dyeing assistants, American Aniline Products, Inc.
SOL-U-LUBE, neutral lubricant, Huntington Laboratories, Inc.
SOL-U-NESE, dry and wet spotter, Huntington Laboratories, Inc.
SOL-U-SOAP, drycleaning soap, Huntington Laboratories, Inc.
SOLVAIR, solvent cooler, Samuel Jackson Mfg. Co.
SOLVATROL, drycleaning unit, Shields Engineering & Manufacturing Co.
SOLVENIZED, tire rebuilding and repair material, Mohawk Rubber Co.
SOLVENT MASTER, solvent cooler and preheater, Tripp Mfg. Co.
SOLVENT SAVER, solvent recovery unit, Vic Manufacturing Co.
SOLVEX, spotting agent, Spix Products Co.
SOL-VIC, drycleaning unit for use with petroleum solvent, Vic Manufacturing Co.
SOLVINK, ink, paint, rust blood stain remover, Greenville Chemical Co.
SOLVINOL, spotting soap, Keystone Aniline & Chemical Co., Inc.
SOLV-O-MARK, indelible marking pen, Mark-O Corp.
SOLVO-MISER, solvent reclaiming, Hoyt Mfg. Corp.
SOL-VO-RUST, sour, Thompson-Hayward Chemical Co.
SOLVO-STAT, solvent conditioner, Hoyt Mfg. Corp.
SOLZYME, digestive agent, Lewis National Corp.
SOME'S, uniforms, badges, embroidered emblems, Some's Terminal Uniforms
S-1-S-2, 5% and 15% bleach, Reslabs, Inc., Div. Linco Products Corp.
SOPE BRAKE, break compound, Patek & Co.
SORBIT, wetting agent, Alrose Chemical Co.
SOVLON, dacron ironer covers, Southern Mills, Inc.
SOURFLO, laundry sour, Wyandotte Chemicals Corp., J. B. Ford Div.
SOUR-TEC, sour, Wyandotte Chemicals Corp., J. B. Ford Div.
SOUTHDOWN, diapers, George Wood, Sons & Co.
SOUTHEASTERN, laundry textiles, Southeastern Textile Co.
SOUTHERN COLONEL, sponge press pads, Southern Mills, Inc.
SOUTHLAND, cellophane bags, Southland Enterprises
SOVASOL 140, Petroleum safety solvent, Socony-Vacuum Oil Co., Inc.
SOYDOL, soap concentrate, A. F. Wolke Co.
SPACEMASTER, stacker, Lewis-Shepard Products, Inc.
SPAN, emulsifier wetting agent, Atlas Powder Co., Industrial Chemicals Dept.
SPARKETTE, detergent, Pennsalt Chemicals Corp.
SPARKLE, laundry detergent, Pennsalt Chemicals Corp.
SPARKLE, chlorophyll deodorant concentrate, American Mothproofing Co.
SPARKLE, drycleaning soap, Starr Soap & Chemical Co., Inc.
SPARKLEAN, drycleaning detergent, Cidex Corp.
SPARKOLOR, detergent emulsifier, Cidex Corp.
SPARATAN, nets, Egan Cotton Mills
SPARTAN, flat and block leather V belt, leather packings, Graton & Knight Co
SPARTAN KT, nylon laundry net, Whitehouse Nylon Products
SPEARE'S, blues, Lewis National Corp.
SPECIAL EXTRACTOR, leather belt, Webb Belting & Supply Co.
SPECIAL FINISH, starch, A. E. Staley Mfg. Co.
SPECIAL IRONER OIL, cleans, polishes and lubricates flatwork ironers, College Chemical Co.
SPECIAL PER, hot synthetic drycleaning unit, Vic Manufacturing Co.
SPECIAL SOUR, laundry sour, Keever Starch Co.
SPECIALTY, garment bagging device, Specialty Devices Co.
SPEE-D-BAGGER, bagging device, Para-Lux Products Co.
SPEED CHECK, drycleaners identification and work flow system, Speed Check Co., Inc.
SPEEDEE, drying cabinets, Hammond Laundry-Cleaning Machinery Co.
SPEE-DEE, oil and grease remover, Adco, Inc.
SPEEDEX, extractor, Zephyr Laundry Machinery Co.
SPEED-FIBRE, day tags, Market Industries Co., Inc.
SPEED-FLOW, powered conveyor, Speed Check Co., Inc.
SPEED-GRIP, wire hook tags, Liberty Marking Tag Co., Inc.
SPEEDIE, automatic tape sealing machine, Time Savers, Inc.
SPEEDISETS, sales and record forms, Moore Business Forms, Inc.
SPEED KING, tumblers, Hammond Laundry-Cleaning Machinery Co.
SPEEDLIFT, trucks, Lewis-Shepard Products, Inc.
SPEEDLINE, ironers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SPEEDLITE, synthetics, soaps, wash room products, Patek & Co.
SPEEDMATIC, shirt-folding arms, shirt-folding tables, Bishop David Freeman Co.
SPEEDMASTER, rug scrubber, Certified Chemical & Equipment Co.
SPEEDMASTER, stackers and portable elevators, Lewis-Shepard Products, Inc.
SPEED PAK, shirt pack, John P. Lynch Co.
SPEEDPLUS, filter powder, Dicalite Div., Great Lakes Carbon Corp.
SPEED QUEEN, 8 lbs. automatic commercial washers, Speed-Queen, Div. McGraw-Edison Co.
SPEED SET, variable numbering machines, American Numbering Machine Co.
SPEE-D-SHIRT PAK, shirt package, Para-Lux Products Co.
SPEEDS-IT, prespotter, G. & G. Chemical Co.
SPEED-SIZE, "in the wheel" dry fabric sizing for cleaners, Lustrol Drycleaning Products, Div. Patek & Co.
SPEED-TROL, electric power drive, Sterling Electric Motors, Inc.
SPEED-VAN, delivery trucks, Linn Coach & Truck Div., Great American Industries, Inc.
SPEEDWAY, all-purpose spray type spotter and stain remover, Speedway Chemical Co.
SPEEDWAY, washer, tumblers, starch cookers, truck tubs, Industrial Laundry Machinery Co., Inc.
SPEEDY, washer-extractor, packaged quick-service laundry plants, Small Equipment Co., Div., American Laundry Machinery Co.
SPEEDY, washers, driers, water heaters, drycleaning machines, Speedy Washer Mfg. Co.
SPEEDYLECTRIC, steam generators, Pantex Mfg. Co.
SPEEDY-SET, automatic lock bottom carton, Cornell Paperboard Products Co.
SPHERO, iron ball valves, Fairbanks Co.
SPHINX, starch, Arabol Mfg. Co.
SPIRO, steam hot water heaters and nursers, David Stout & Sons
SPIROLL, direct feed spreader, tape saver, bridge for folder, spring connector, heat seal patches and 2-way clutch attachment, Mazzolla Spiroll Sales Corp.
SPIX, prespotter, drycleaning and suede soap, hand cream, Spix Products Co.
SPORTFOLIOS, sport shirt package, Package Masters, Inc.
SPORTLIGHT, sport-shirt folding board, Key-Tag Checking System Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

SPORT SHIRT, press unit, American Laundry Machinery Co.
SPORTS PAX, window envelope for packaging of sports shirts, Time Savers, Inc.
SPORTSTER, shirt folder, Time Savers, Inc.
SPOTLESS, paste drycleaning soap, National Cleaners Chemical Mfg. Co.
SPOTLESS CHLOROFORM, substitute for chloroform, Slater-Robbins Co., Inc.
SPOTLESS SIZE, synthetic sizing, Slater-Robbins Co., Inc.
SPOT-O-MATIC, automatic prespotting machine, Wichita Precision Tool Co. Inc.
SPOTOUT, spotting aids, Kennedy Products Co.
SPOTRIGHT, prespotter, Allen & Vickers, Inc.
SPOTS-GO, spotting agent, paint, oil and grease remover, A. L. Wilson Chemical Co.
SPOTTERS FRIEND, wet spotter, Smith Bros. Co.
SPOTTING IODINE, iodine spotting agent, Warco Laboratories
SPOTTING PENCILS, pencils, Eaton Chemical & Dyestuff Co.
SPOT-X, prespotter, Huntington Laboratories, Inc.
SPRA, miniature beads of wax, Victor Zooz Chemical Co.
SPRA-SPOT, paint, oil grease remover, Kleentest Laboratories
SPRAY DREST, liquid spray finish for suedes or smooth leathers, Caled Products Co., Inc.
SPRAY-MASTER, spray gun, Cleaners Specialties Supplies Co.
SPRAY MIX, coating refractory, Mexico Refractories Co.
SPRAY SPOTTER, for spray spotting, Caled Products Co., Inc.
SPRAY SPOTTER, concentrated spotter on wet side, Eaton Chemical & Dyestuff Co.
SPREE, prespotter, spray spotter, Edelmuth Mfg. Chemists
SPUNN DIAMOND, 88% flakes, 92% powder, soaps, Lever Brothers Co.
SPUNYLON, nylon net, Carson Textile Co., Inc.
SPURT, blood remover, Patek & Co.
SQUARE-HEAT, steel boiler, coal, oil, gas stoker, Kewanee Boiler Corp.
SQUAREWAY, curtain & blanket stretcher, Hopkins Equipment Co.
SQUIRES, reducing and registering valves, C. E. Squires Co.
SR-3, soil retardant, J-G Chemists.
SS COMPOUND, washing compounds, Lewis National Corp.
STABILON, textile dyeing assistants, American Aniline Products, Inc.
STACK-EM, hanger rack, Time Savers, Inc.
STACKFAST, stacker, Troy Laundry Machinery Div., American Machine & Metals, Inc.
STACKRITE, flatwork stacker, American Laundry Machinery Co.
STA-DAMP, plastic basket liners, Zuckerberg Co.
STADLUBE, starch lubricant, Stadham Co., Inc.
STAD-SPUN, spun treated nylon cloth, Stadham Co., Inc.
STAD-TAPE, flatwork ironer tape, Stadham Co., Inc.
STAD-TEX, treated nylon cloth, Stadham Co., Inc.
STADWAX, ironer oil, powdered wax, paste, Stadham Co., Inc.
STA-FLO, liquid starch, A. E. Staley Mfg. Co.
STAG BRAND, press covers, aprons, bags, feed ribbons, Pittsburgh Waterproof Co.
STAGG, spotting aids, G & G Chemical Co.
STAIZ #2, collar supports, Time Savers, Inc.
STAIN-A-WAY, oxidized-stain remover, Warco Laboratories, Inc.
STAINEX, laundry sour, Keever Starch Co.
STAIN-O-GO, spot remover, Dello Products Co.
STAIZ, collar supports, Time Savers, Inc.
STAMCLEAN SPRAY SPOTTER, prespotter, Stamford Chemical Co.
STANCO-A, blues, sours, Keever Starch Co.
STANDARD, asbestos press covering, F. H. Bonn Co.
STANDARD, laundry, drycleaning machinery, Standard Laundry & Cleaning Machinery Co.
STANDARD, pin carrier and net pins, Keyes-Davis Co.
STANDARD, press pads, Resillo Co.
STANDARD MOTORS, electric power drive, Sterling Electric Motors, Inc.
STANDATROL, air-operated relay, Bailey Meter Co.
STAND-EZE, floor mat, Colonial Rubber Co.
STA-NEAT, garment hanger cover, Sta-Neat Corp.
STAN-O-MATIC, petroleum and synthetic drycleaning units; petroleum washer-extractor combination, Standard Laundry & Cleaning Machinery Co.
STANORUST, rust preventative, Standard Oil Co.
STANOX, hot-water built soap, John T. Stanley Co., Inc
STANSO, cleaning chemicals, detergents, Standard Soap Co., Div. Concord Chemical Co., Inc.
STANSO TEX OIL, sulphonated oils, turkey red oil, Standard Soap Co., Div. Concord Chemical Co. Inc.
STANTEX, press and cover cloth, John T. Stanley Co., Inc.
STA-NU PROCESS, fabric-renewing compound introduced through steam line, Sta-Nu Corp.
STAPEX, starch, A. E. Staley Mfg. Co.
STAPL-TITE, marking tags, Liberty Marking Tag Co., Inc.
STARCHTEX, starch lubricant, Lewis National Corp.
STAR BRITE, flourescent laundry sour, Kenco Chemical Co., Inc.
STAR DOWN, diapers, George Wood, Sons & Co.
STARFLITE, shirt finishing unit, Unipress Co., Inc.
STA-RITE, collar supports, shoulder shields, trouser guards, tie holders, industrial aprons, Hodge, Farwell & Co.
STARR-BRITE, wetcleaning soap, Starr Soap & Chemical Co.
STAR SERVICE, wire hangers, Star Service Hanger Div., Young Spring & Wire Corp.
STARTEX, break detergent, H. Kohnstamm & Co., Inc.
STATICOL, static control, drycleaning, R. R. Street & Co., Inc.
STATIKIL, static eliminator, Statikil Div., J. E. Doyle Co.
STA-VENT CLAMPS, accessory to steam-air finishers, Wichita Precision Tool Co., Inc.
STAY-FRESH, finishing process, Stay-Fresh Corp.
STAY-ON, identification system, National Marking Machine Co.
STAY-PUT, adhesive collar stays, Story Mfg. Co.
STAZUP, collar supports, Alfred J. Brooks
STEAM-AIRE, garment finishers, Pantex Mfg. Corp.
STEAMAIRE, unit heater, Young Radiator Co.
STEAMASTER, boilers, return systems, Steamaster Automatic Boiler Co.
STEAMBOILERPLANT, boilers, Eclipse Fuel Engineering Co.
STEAM-FLEX, press connectors, Flexonics Corp.
STEAM FLOW, pads, Resillo Co.
STEAM FLOW, rubber press pad, Newhouse Co.
STEAMIN STEVE, portable electric steam generator, Electric Steam Boiler Sales, Div., Wolf Co.
STEAM-MIZER, storage water heater and condensate utilizer, Patterson-Kelley Co., Inc.
STEAM-O-MATIC, shirt press, New York Pressing Machinery Corp.
STEAM-PAK, packaged steam generators, York-Shipley, Inc.
STEAMTITE, flexible metal connector for laundry and pressing machines, American Brass Co., American Metal Hose Div.
STEBBINS, flatwork irons, Stebbins Mfg. & Supply Co.
STEELCOTE, paint varnishes, waterproofing, Steelcote Mfg. Co.
STEELCURB, laundry extractor, W. H. Nicholson & Co.
STEELE BIN, shirt carrier, J. W. Steele & Co.
STEELE GLIDER IRON, electric iron, J. W. Steele & Co.
STEELELOX, self-locking shirt band, J. W. Steele & Co.
STEEM, neutral lubricant for steam spotting, Caled Products Co., Inc.
STEEM-ATIC, vertical water tube boiler, Kisco Boiler & Engineering Co.
STEEM-MIST, new reclaimer, Hoyt Mfg. Corp.
STEIN, add-a-section finishers' tables, Lawrence M. Stein Co.
STEIN, cuff tacker, Stein Specialty Co.
STEINER, paper towels, soap dispensers, toilet soap, Steiner Sales Co.
STELLAR, filter, Infilco, Inc.
STEMALLOY, patented silicon bronze alloy, Lunkenheimer Co.
STERICLEAN, moth repellent sour, Johnson Chemicals Industries, Inc.
STERILLOW, labels for pillows, R. Lally Co.
STERLCO, pumps, traps, controls, regulators, Sterling, Inc.
STERLING, solvent conditioner, Sterling Air Conditioning Corp.
STERLING, corn starch, Keever Starch Co.
STERLING, steam traps, Sterling Engineering & Mfg. Corp.
STERLING, salt, salt tablets, dispensers, International Salt Co.
STEVEDORE, JR., conveyor, Rapids-Standard Co., Inc.
STEVENSON, automatic counting machine, Stevenson Co.
STEWART-WARNER, instruments, Stewart-Warner Corp., Alemite Corp.
STIK-TITE, belt cement, Milwaukee Leather Belting Co.
STILLSON-GENUINE, wrench, Walworth Co.
STILL-TEMP, still temperature control, Aquatrol, Inc. (Specialties Div.)
STOD-SOL, drycleaning solvent, Anderson-Prichard Oil Corp.
STONE, package boiler, built-in return system, Stone Boiler Equipment Corp.
STORAGEMASTER, vault-conditioning equipment, Walter Haertel Co.
STOR-U-VEYOR, automatic call-office conveyor, garments, White Machine Co., Inc.
STOVER, water softeners, pressure filters, Stover Water Softener Co.
STOWE STOKERS, industrial stokers, Johnson & Jennings Co.
STRATE, special drycleaning detergent, Spix Products Co.
STREAMLINE, chest-type flatwork ironer, American Laundry Machinery Co.
STREAMLINED LABELORS, moistening machine, Better Packages, Inc.
STREAMLINER, continuous towel cabinet, Steiner Sales Co.
STEAMTITE, flexible metallic laundry machine connectors, American Brass Co., American Metal Hose Div.
STREEPENE, stripper, R. R. Street & Co., Inc.
STREET, automatic conductivity control unit, R. R. Street & Co., Inc.
STRESSITE, solid bronze machine parts, Amplex Div., Chrysler Corp.
STRETCH-ALL, garment stretchers, tie forms, sleeve finishing boards, sleeve forms, Jack Hodges Specialty Co.
STRIDE, paint, oil and grease remover, Lustrol Drycleaning Products, Div. Patek & Co.
STRIKE'S, hydraulic extractor, Strike's Laundry Machinery, Inc.
STRIPALENE-O stripper, Keystone Aniline & Chemical Co., Inc.
STRIP-D-LUX, stripping agent, Warco Laboratories, Inc.
STRIPEX, strippers, Package Chemical Co., Inc.
STRIP INK, ink remover, Slater-Robbins Co., Inc.
STRIPMASTER, wire strippers, Ideal Industries, Inc.
STRIPP, powdered stripper and bleach, G & G Chemical Co.
STRIPPABLE COATING, solvent and emulsion types, The Peters Co., Div. Toledo Paint & Chemical Co.
STRIPPET, strippers, Package Chemical Co., Inc.
STRIPPIT, stain remover, stripper, Kliegman Bros., Inc.
STRIPPOLYTE, dye remover, Slater-Robbins Co. Inc.
STRIP-STICK, stripper, National Cleaners Chemical Mfg. Co.
STRIPTEX, powdered stripper, Hood Chemical Co., Inc., Crescent Div.
STROMBERG, time clocks, Stromberg Time Corp.
STRONG, steam specialties, Strong, Carlisle & Hammond Div.
STRONG BOY, nylon laundry net, Carson Textile Co.
STRONG-WAL, pliofilm and paper combination bags, Comet Envelope & Paper Co., Inc.
STURDI-BILT, metal laundry washer, Jensen Mfg. Co.
STYLOGRAMS, simulated paper handkerchief printed with sales message, Nashua Corp., Surehold Div.
SUBMERSION, gas/oil boilers, gas/oil burners, gas/oil water heaters, David Stout & Sons
SUDS, paste drycleaning soap, Adco, Inc.
SUDSO, soap builder, Washine Chemical Corp.
SUDSRITE, high-titer built soap, New South Mfg. Co., Inc.
SUDSYN, sudsy synthetic solvent, E. F. Drew & Co., Inc.
SUEDECARE, leather cleaning process, Suedecare, Inc.
SUEDE KING, leather and suede cleaning method, Suede King
SUIAP, accounts receivable system, Remington Rand, Inc.
SUITANDRESS, hangers, Cleaners Hanger Co.
SULFACO, soapless wetcleaner, R. R. Street & Co., Inc.
SULFONITE, reducing agent, E. I. du Pont de Nemours & Co.
SULFOSUDS, soapless soap, Merson Products Co.
SULFSTAD, synthetic detergent, Stadham Co., Inc.
SULPHOGEN, spotting compound, Riverside Mfg. Co.
SULPHOTEX, detergent, soaps, Keystone Aniline & Chemical Co., Inc.
SULVA, soapless wet cleaner, G & G Chemical Co.
SUN, paste filter soap, Adco, Inc.
SUNBEAM, automatic clothes-lifting basket liner, Cleaners Specialties Supplies Co.
SUNBEAM, blue, Speare Co.
SUN-PROOF, paint, Pittsburgh Plate Glass Co., Paint Div.
SUNSET, blueing and color remover, stripper, North American Dye Corp.
SUNSET COLORAMA, fabric powder dye, North American Dye Corp.
SUNSET DYTINT, dye for use in washing machines, North American Dye Corp.
SUNSET DYWHITE, blueing with whitener for use in washing machines, North American Dye Corp.
SUPER, laundry machinery, Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
SUPER, shirt sorting bin on casters, Time Savers, Inc.
SUPER ALKALI 60, alkali compound, Solvay Process Div., Allied Chemical & Dye Corp.
SUPER AVACON, charge drycleaning soap, Allen & Vickers, Inc.
SUPERBELT, leather belting, Philadelphia Belting Co.
SUPERBILD, soap builder, Solvay Process Div., Allied Chemical & Dye Corp.
SUPER C, non-ionic soap for dry charge systems, Caled Products Co., Inc.
SUPER CHIEF, truck tires, tire repair material, Mohawk Rubber Co.
SUPERCHLOR, bleach, Patterson Laboratories, Inc.
SUPER-CLEAR, rust-removing sour, Johnson Chemical Industries, Inc.
SUPER DESOIL, one-shot linen supply detergent, Cowles Chemical Co.
SUPER DETERGENT, detergent-type drycleaning soap, National Cleaners Chemical Mfg. Co.
SUPER DRY-O-MATIC, signal and alarm control for tumblers, Rosenthal Mfg. Co.
SUPER-ELCONITE, high-capacity greensand zeolite, Elgin Softener Corp.
SUPER EXSIZE-T, desizing agent for removal of starch-base sizes, Pabst Brewing Co., Industrial Products Div.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

SUPER FAST, solvent recovery unit, Hoyt Mfg. Corp.
SUPERFINE, laundry starch, Washine Chemical Corp.
SUPER FURNAS-CRETE, castable refractory, Mexico Refractories Co.
SUPERGAUGE, gauges, U. S. Gauge Div., American Machine & Metals, Inc.
SUPER-HILO, powder, built soda soap, Armour & Co., Industrial Soap Oept.
SUPER HILOSET, temperature bonding mortar, Mexico Refractories Co.
SUPER ILLUMINATORS, incandescent lighting equipment, Edwin F. Guth Co.
SUPER-JET, built soap, and nonionic synthetic, Armour & Co., Industrial Soap Dept.
SUPERIOR nylon laundry nets and dacron nets, Fablok Mills, Inc.
SUPERIOR, marking machines, Textile Machinery Co., Inc.
SUPERIOR, press pads, Superior Pad Co.
SUPERIOR, regulator, thermostat, trycock, water gauge valve, steam valve, Superior Controls Co., Inc.
SUPERIOR, rug cleaning machinery and accessories, Superior Rug Machinery Co.
SUPERIOR, boilers and return systems, Superior Boiler Works
SUPERIOR, steam generators, Superior Combustion Industries, Inc.
SUPERIOR CRUSH PROOF, assorting hooks, V & W Equipment Co.
SUPERIOR LINT TRAP, lint traps, V & W Equipment Co.
SUPERKLEEN, laundry alkali, Washine Chemical Corp.
SUPER-MATIC, boilers, Eclipse Fuel Engineering Co.
SUPERMATIC, doors, overhead and electric, National Pneumatic Co., Inc.
SUPER-MERCURY, extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SUPER-MIRZA, automatic rug cleaning machine, American Laundry Machinery Co.
SUPER MONO-FIBRIK, plastic firebrick, Mexico Refractories Co.
SUPER MULTIFLEX, calcium carbonate, Diamond Alkali Co.
SUPER OILITE, ferrous-base lubricating bearings, Amplex Div., Chrysler Corp.
SUPER ORTH, anhydrous orthosilicate, Washine Chemical Corp.
SUPERPACKING, leather packings, Philadelphia Belting Co.
SUPER-PLASTIC, refractory materials, A. P. Green Fire Brick Co.
SUPER PURGO, soap builder, Minnesota Chemical Co.
SUPER 7C, drycleaning unit, Prosperity Co., Div., Ward Industries Corp.
SUPER SHEEN, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
SUPERSILICATE, detergent and soap builder, Diamond Alkali Co.
SUPER SILVERTOP, inverted bucket steam trap, V. D. Anderson Co., Div., International Basic Economy Corp.
SUPER-SOL, prespotter, National Cleaners Chemical Mfg. Co.
SUPER-SOLTEX, drycleaning detergent, Riverside Mfg. Co.
SUPER-SOLV, upholstrey drycleaner, Coastal Chemical Corp.
SUPERSOUR, highly soluble laundry sour, Speedlite Chemicals Co., Dvv. Patek & Co.
SUPER-SPEED, drycleaning tumbler, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
SUPER-SPEED RAILS, prefabricated speed rails, Automatic Specialties, Inc.
SUPER SPOTTER, all-purpose spotter, Lustrol Drycleaning Products, Div. Patek & Co.
SUPERSPRAY, water spray gun, Bishop David Freeman Co.
SUPER STEEL, pins, safety pins, William Prym, Inc.
SUPER STOD-SOL, cleaners' naphtha, Anderson-Prichard Oil Corp.
SUPER SYLON, flatwork ironer, American Laundry Machinery Co.
SUPER-TEX, detergent, Nu-Pro Mfg. Co.
SUPER TURBINE, turbine pumps, Decatur Pump Co.
SUPER-VAC, rug vacuuming machine, American Laundry Machinery Co.
SUPER-WEAR, press covers, Gustin-Kramer Co.
SUPER X, break powder, Speare Co.
SUPER-ZARMO, air-driven laundry presses, American Laundry Machinery Co.
SUPER-ZARMOETTE, air-driven laundry presses, American Laundry Machinery Co.
SUPER-ZORIC, drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
SUPREME, laundry starch, Clinton Foods, Inc.
SUPREME, water softeners and filters, Bruner Corp.
SUPREME, neoprene belting, Victor Balata & Textile Belting Co.
SUR-DRIVE KIT, feed ribbon kit, Zeidler Mfg. Co., Inc.
SURE-FLO, ironer wax, Johnson Chemical Industries, Inc.
SURE-GRIP, roll covers, F. W. I., R. Lally Co.
SURE-HOLD, paper specialties, wrappers, shirt bands, Nashua Corp.
SURELOC, aluminum collar and cuff fasteners, Sureloc Paper Clip Co.
SURE-RETURN, condensation pumps, Chicago Pump Co.
SURE-RINSE, rinsing aid, Johnson Chemical Industries Inc.
SURFCO SHIELD, silicone type colorless water repellent, Surface Protection Corp.
SUSPENSOIL, laundry detergent and soap builder, Diamond Alkali Co.
SUSSMAN, steam iron, Automatic Steam Products Co.
SUZIE-Q, garment finisher and fabric conditioner, Excelsior Machinery Co.
SWAGELOK, reducer fitting for tubing, Crawford Fitting Co.
SWAN, valves, Klipfel Mfg. Co.
SWANEE, cover duck, Minnesota Chemical Co.
SWEDA, registers, cash and control, Sweda Cash Register, Inc.
SWEETHEART, franchised home linen rental service, advertising materials, Linen Suppliers Advertising Corp.
SWIFT, soaps, Swift & Co., Industrial Soap Dept.
SWIFT'S COLDWATER SOAP, built cold water soap, Swift & Co., Industrial Soap Dept.
SWINGLINE, stapling devices, Swingline, Inc.
SWIVELOADER, box or car loaders, Stephens-Adamson Mfg. Co.
SWIV-O-HOOK, hangers, Garment Hanger Co.
SYLON, chest-type flatwork ironer, American Laundry Machinery Co.
SYLVANIA, cellophane, Sylvania Div., American Viscose Corp.
SYNCHRO-METER, electric telemeter, Bailey Meter Co.
SYNCHRO-VALVE, diaphragm control valve, Bristol Co.
SYNCLOR, single-bath synthetic solvent drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
SYNDEET, insecticide, U. S. Rubber Co.
SYNDET, synthetic detergent, West Side Corp.
SYNFLEX, outside and interior enamel, Midland Paint & Varnish Co.
SYN-KLEEN, synthetic detergent, G. S. Robins & Co.
SYNSO, synthetic drycleaning soap, Nu-Pro Mfg. Co.
SYNOTEX, detergent emulsifier, Dixo Co.
SYNSUDS, soap, H. Kohnstamm & Co., Inc.
SYN-SUDS, synthetic detergent, G. S. Robins & Co.
SYNSUDS, synthetic soap powder, Trico Chemical Div., Tri-State Equipment Co.
SYNTER-R, rug shampoo conc. for mfg. purposes, Tower Chemicals, Inc.
SYNTHE-CLEAN, rug shampoo, Multi-Clean Products, Inc.
SYNTHEEL, liquid filter soap, National Cleaners Chemical Mfg. Co.
SYNTHESOL-100, drycleaning soap for synthetic solvent, Patek & Co.
SYNTHITE, zeolite, Hungerford & Terry, Inc.
SYNTHO, soap for chlorinated solvents, National Cleaners Chemical Mfg. Co.
SYNTH-O-SAVER, solvent recovery unit, Detrex Chemical Industries, Inc.
SYNTHO SUDS, synthetic soap chips, West Side Corp.
SYNTOMAT, combination washer extractor-synthetic solvnt, Washex Machinery Corp.
SY PENETRANT, drycleaning detergent, Merson Products Co.

T

TDL, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
T & L COMPOUND, stain-removing laundry break, Speedlite Chemicals Co., Div. Patek & Co.
T.S.R. SET, composite 3 bottle set for removal of tannin, Warco Laboratories, Inc.
TABASCO, water heaters, Kewanee Boiler Corp.
TACO, heaters, condensers, hot-water systems, Taco Heaters, Inc.
TAD, insecticides, deodorants, Tad Chemical Co., Div. Acme Industrial Compounds Corp.
TAD, tags, Boston Clip & Tag Co.
TAG-A-DAY, laundry marking tags and pins, Boston Clip & Tag Co.
TAGGER, sewing machine for tagging, Chandler Machine Co.
TAG-O-LETRIC, automatic marking machines, identification systems, Textile Marking Machine Co., Inc.
TAG-O-MATIC, tag marking and marking machine, Textile Marking Machine Co., Inc.
TAGVOICES, combination invoices and tags, Stry-Lenkoff Co.
TAGZON, tag attaching machine, National Marking Machine Co.
TAHARA, silver burnishing machine, American Laundry Machinery Co.
TAHOE, laundry blue, Patek & Co.
TAILOR-MADE, pre-fabricated speed rails, Speed Check Co.
TAKALAB TLM, concentrated enzymic digestant, R. R. Street & Co., Inc.
TA-KARA-HUKS, drycleaning specialty for cleaning drapes, with hooks, attached, Take-Care Mfg. Laboratories, Inc.
TAKIMERSE, deszizing agent, R. R. Street & Co., Inc.
TALB X-01, detergent for industrial laundry washing, Talb Industries, Inc.
TALLY, hand counter, Denominator Co., Inc.
TAN-AN-INK, ink remover, Package Chemical Co., Inc.
TANSOL, tannin stain remover, Greenville Chemical Co.
TAN-X, semi-wet stain remover, National Cleaners Chemical Mfg. Co.
TARBONIS, protective skin cream, Tarbonis Co.
TAR-GO, dry or wet spotter, A. L. Wilson Chemical Co.
TASCO, alkali (soap builder), Lewis National Corp.
TASCO TINT, blue, Lewis National Corp.
TAUBMAN, marking pen for laundries and drycleaners, Samuel Taubman & Co., Inc.
TAYLOR, stokers, American Engineering Co.
TECHNICLEAN, drycleaning soap, Fry Bros. Co.
TEJAX, valve indicator, indicating handwheels, Tejax Engineering Corp.
TEKO, liquid detergent, Wyandotte Chemicals Corp., J. B. Ford Div.
TELE-VUE, cellophane shirt and garment bags, Tele-Vue Packaging Products, Inc.
TELL BOARD, bulletin board, Mine Safety Appliances Co.
TELLEVEL, bin level control switches, Stephens-Adamson Mfg. Co.
TEL-U-VISION, transparent garment bags, Mehl Mfg. Co.
TEMCON, flatwork ironer, American Laundry Machinery Co.
TEMPLETON, steam traps, Sterling Engineering & Mfg. Corp.
TEN-MINIT, bleach, Warco Laboratories, Inc.
10 & 20, shirt bins, Time Savers, Inc.
TEN STRIKE, match book, Universal Match Corp.
TERGESSOL, paint and grease remover, Slater-Robins Co., Inc.
TERGIT, spotting compound, Riverside Mfg. Co.
TERJ, strong soap, Huntington Laboratories, Inc.
TER-TEX, drycleaning concentrate, Spix Products Co.
TETRA-NOVAL, wetcleaning soap, Keystone Aniline & Chemical Co., Inc.
TETRAPOL, spot washing, tar removal, General Dyestuff Corp.
TETRA-SAN, liquid detergent, Huntington Laboratories, Inc.
TEX-ALL, rug cleaner, Certified Chemical & Equipment Co.
TEXAS STOD-SOL, drycleaning naphtha, Anderson-Prichard Oil Corp.
TEX-IT, upholstery cleaner, Certified Chemical & Equipment Co.
TEXIZE, sizing preparation, Package Chemical Co., Inc.
TEXO, laundry soap, E. F. Drew & Co., Inc.
TEXOLITE, all purpose spotter, Coastal Chemical Corp.
TEXSCOUR, low-titer neutral red-oil soap flakes, Armour & Co., Industrial Soap Div.
TEXSOL, drycleaning detergent, Riverside Mfg. Co.
TEXTAG, drycleaners identification system, Speed Check Co., Inc.
TEXTITE, industrial detergent, H. Kohnstamm & Co., Inc.
TEXTO, glazed thread, Fleischer Mills, Inc.
TEXTURE-SAN, sizing compound, Huntington Laboratories, Inc.
THANITE, insecticide concentrate, Hercules Powder Co.
THERMALITE, 1000° F. high heat aluminum paint Tropical Paint & Oil Co.
THERMATIC, drying tumbler, American Laundry Machinery Co.
THERMOCON, solvent temperature control, Mar-Mak Machinery Mfg. Co.
THERMO-DYNAMIC, steam trap, strainer pipeline, Sarco Co., Inc.
THERMO-FAX, dry copy duplicating machines and papers, Minnesota Mining & Mfg. Co.
THERMO-HUMIDIGRAPH, combination temperature and humidity recorder, Bristol Co.
THERMOPATCH, heat sealing mending materials, Thermopatch Corp.
THERMO-SEAL, identification machine, Textile Marking Machine Co., Inc.
THERMO-SET, thermo-setting ink setter, National Marking Machine Co.
THERMOTEX, press covers, H. Kohnstamm & Co., Inc.
THERMOTEX "S," heat-resistant cover cloth, H. Kohnstamm & Co., Inc.
THERMOTROL, radiator control, Sterling, Inc.
THERMO-VENTO, drying tumbler, American Laundry Machinery Co.
T-32, guntacker, Arrow Fastener Co.
THOMAS, aluminum display holders, Mulholland-Harper Co.
THOR, intermediate quality, stiff mud firebrick, Mexico Refractories Co.
THORAL, rug shampoo, Turco Products, Inc.
THREAD-TITE, anti-seize compound (stick form), pipe thread lubricant, Armite Laboratories
3-B DYNAMITE, soap, Rome Soap Mfg. Co.
3-DIMENSIONAL, press covers, F.H. Bonn Co.
3-STAR, leather and waterproof leather belting, Charlotte Leather Belting Co.
33, bentonite product, Wyandotte Chemicals Corp., J. B. Ford Div.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

3025C, nylon cover cloths, Whitehouse Nylon Products
300, extractors, Western Laundry Machinery Co.
328, ironer oil, John P. Lynch Co.
3800 SERIES, payroll and job time recorder, Lathem Time Recorder Co.
THRIFTEX, drycleaning soap, detergent and emulsifier, Pennsalt Chemicals Corp.
THRIFTIES, collar supports, M. H. Gronauer Co.
THUR-O, rug cleaning compound, Diamond Chemical Co.
THUR-O-COLOR, cold water rug dyes, Diamond Chemical Co.
THY-MO-TROL, electronic motor control, General Electric Co.
TI-BAG, cover for Ti-Rak, Para-Lux Products Co.
TIBRODE, cotton flannel padding and nets, Tingue, Brown & Co.
TICKETAG, drycleaning identification system, "TT" TicketTag Corp.
TICOSTEAM, packaged steam generator, Titusville Iron Works Co., Div. Struther Wells Corp.
TICOTHERM, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
TIE-PAK, tie racks and bags, Phoenix Products Co.
TIGER, grease cups, Lunkenheimer Co.
TIGER, paste-type detergent, Adco, Inc.
TILTOR, shirt unit and shirt presses, American Laundry Machinery Co.
TILT-RIGHT, container stand for 5 gallon bottles and drums, Paul O. Young Co.
TIME-O-MATIC, air presses, New York Pressing Machinery Corp.
TIME-O-MATIC, timers for extractors, Rosenthal Mfg. Co.
TIME SAVERS, garment racks, trouser guards, shirt envelopes, Time Savers, Inc.
TIMKEN, roller bearings, tubings, Timken Roller Bearing Co.
TINDECK, double-face padding and nets, Tingue, Brown & Co.
TINGUNIT, nylon nets, Tingue, Brown & Co.
TINTEX, dye and dye remover, Park & Tilford
TI-RAK, necktie hanger, Para-Lux Products Co.
TITANIC, stripper, Spix Products Co.
TITANIUM X, color stripper, Eaton Chemical & Dyestuff Co.
TOKEN-TAGS, instruction tags, Pre-Marked Strip Tag Co.
TOLEDO, scales, Toledo Scale Co.
TOLEDO, industrial finishes, Peters Co., Div. Toledo Paint & Chemical Co.
TONRAC, refrigerating machines, American Blower Corp., Div. American-Standard
TOPAZ, high-titer built soap chips, Armour & Co., Industrial Soap Dept.
TOPMASTER, dual pants topper, Excelsior Enterprises, Inc.
TOPPER-MATIC, steam air trouser topper finishing machine, P. & H. Industries, Inc.
TOPS, drycleaning detergent, Nu-Pro Mfg. Co.
TOPS-ALL, prespotter, Warco Laboratories, Inc.
TOPSLIP, press covers, Toptex Corp.
TOPSPUN, press covers, Toptex Corp.
TOPTAPE, flat work ironer tape, Toptex Corp.
TOPTEX, industrial textiles, Toptex Corp.
TORK, time switches, Tork Clock Co., Inc.
TORNADO, blowers, industrial vacuum cleaners, floor machines, Breuer Electric Mfg. Co.
TORRIDOR, blower unit heater, Trane Co.
TOUCH, volatile dry spotter, G & G Chemical Co.
TOUCH UP, spotting aid, John P. Lynch Co.
TOUGH DUCK, dacron cover duck, Callaway Mills Inc.
TOWER-TEX, rug cleaning detergent, Tower Chemicals, Inc.
TRACTAIR, compressor, Le Roi Div., Westinghouse Air Brake Co.
TRAN-CEL-SEAL, cellulose tape, Gummed Tape & Devices Co.
TRANSCOPY DUPLEX, contact printer, photographic, Remington Rand, Inc.
TRANS-O-MUCK, solvent sludge reclaimer, Vic Manufacturing Co.
TRANSVEYOR, horizontal belt conveyor, Mechanical Handling Systems, Inc.
TRAVAGRATE, continuous ash discharge spreader stoker, Erie City Iron Works
TREAD-EASE, resilient sponge rubber runner matting, American Floor Products Co.
TREASURE, brass safety pins (unguarded coil), Oakville Co., Div. Scoville Mfg. Co.
TREET-O-UNIT, constant rate proportioning pump, Proportioneers, Inc.
TREMM, laundry bleach, Tremm Chemical Corp.
TRENDWELD, pipe and tubing, Trent Tube Co.
TRENTWELD, stainless and high alloy pipe and tubing, Crucible Steel Co. of America
TRI, fur cleaning fluid, Walter Haertel Co.
TRI-CLAD, motors, General Electric Co.
TRICLENE, drycleaning solvent, E. I. du Pont de Nemours & Co., Inc.
TRICO, electrical and lubricating devices, Trico Fuse Mfg. Co.
TRICO, wetcleaning sour, Trico Chemical Div., Tri-State Equipment Co.
TRIFIEX, drycleaning detergent, Pennsalt Chemicals Corp.
TRIGON, volatile paint remover, Patek & Co.
TRIK, tannin stain remover, Stamford Chemical Co.
TRIMERSE, enzymic digester, Trico Chemical Div., Tri-State Equipment Co.
TRIO, alkali compounds, bleach, boiler compound, Trio Chemical Works, Inc.
TRIPLE-A, paints, Quigley Co., Inc.
TRIPLEX, 140° F drycleaning units, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRIPLE-X DRI-SHEEN, detergent, Adco, Inc.
TRISOL, oily stain remover, Eaton Chemical & Dyestuff Co.
TRIUMPH, built non-ionic synthetic detergent, Armour & Co., Industrial Soap Dept.
TRIWAY, fur finishing machine, Walter Haertel Co.
TRI-X, fumigant, Walter Haertel Co.
TROJAN, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROPELITE, durable protective coating, Tropical Paint & Oil Co.
TROPICAL, cleaner for walls, floors, windows, Tropical Paint & Oil Co.
TROPICAL, nut shells for fur cleaning, Bernard Sirotta Co.
TROUGH-BELT, belt conveyors, New London Engineering Co.
TROUSER-FORMER, pants shaper, Bill Glover, Inc.
TROUS-GUARD, trouser guard, Para-Lux Products Co.
TROY, laundry machinery, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROY-MERCURY, drycleaning unit, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROYSAN FMA-30, phenyl mercury acetate (mildewcide), Troy Chemical Co.
TROYSPECIAL, replacement collars, Zuckerberg Co.
TRUCLEAR, drycleaning solvent filter, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCLEEN, petroleum solvent for drycleaning, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCLOR, synthetic solvent for drycleaning, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRU COLOR, dyeing, Tru Color Dye Works, Inc.
TRUFLEX, light duty V-belts, Gates Rubber Co.
TRUFOLD, shirt folding machine, J. W. Steele & Co.
TRUFORM, steam-air garment finisher, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUMATIC, flatwork folder, American Laundry Machinery Co.
TRUMP, spot remover, Spix Products Co.
TRU-SHEEN, CONCENTRATE, drycleaning detergent, Krasan Products, Inc.
TRU SOAP, true soap liquid, Benda Products, Inc.
TRUSTY, gasoline strainers, Lunkenheimer Co.
TRU-TONE, fabric conditioner, Adrian Research & Chemical Co.
TT TICKE TAG, 4-in-1 combination marking in, receipt, invoice, marking tag, "TT" TicketTag Corp.
TUBE-O, trouser guard, Garment Hanger Co.
TUF-BOY, laundry nets, R. Lally Co.
TUFF HIDE, padding, Pittsburgh Waterproof Co.
TUFFLEX, padding, Wood Conversion Co.
TUFF-TEX, metal press pads, X. S. Smith, Inc.
TUFFY, heavy duty synthetic detergent, Thompson Chemical Co.
TUFFY, knitted nylon laundry nets, Southern Mills, Inc.
TUMBLETTE, tumblers, Cook Machinery Co., Inc.
TUMBLTROL, tumbler and reclaimer temperature control, Minneapolis-Honeywell Regulator Co.
TUMBOLITE, lighting fixture for open-end tumblers, National Marking Machine Co.
TURBAIRE, coils, heating and cooling, Acme Industries, Inc.
TURBO-VAC, single press vacuum system, Pantex Mfg. Co.
TURCO, insecticides, germicides, Turco Products, Inc.
TUWAY, strainers, Wright-Austin Co.
20th CENTURY, needle bearing, Roller Bearing Co. of America
24K, press padding, Jomac, Inc.
20-L, laundry starch, Clinton Foods, Inc.
TWENTY-TWENTY, front-loading washer, American Laundry Machinery Co.
TWIN CONTACT CONTROLS, controls, regulators, gauges, Perfex Corp.
TWINETTE, laundry tumbler, gas or electric, Hoyt Mfg. Corp.
TWINMATIC, washer and extractor, Imperial Laundry Machinery Co.
TWIN-O-MATIC, work shirt finishing unit, Unipress Co., Inc.
TWINPLEX, fur cleaning drum and cage, Walter Haertel Co.
TWIN-PRESS, drycleaning press, Reliable Steam Pressing Machine Service, Inc.
TWIN-RAPID, automatic shirt press, general purpose press, Reliable Steam Pressing Machine Service, Inc.
TWINTAINER, extractor, Fletcher Works, Inc.
TWIN-TEX, metal press pads, X. S. Smith, Inc.
TWIST-EMS, hanger combiners, Germain's Inc. Twist-Ems Div.
TWISTEMS, hanger combiners, H. F. Hanscom & Co.
TWITCHELL, emulsifying bases, Emery Industries, Inc.
249, dye stripper, Patek & Co.
2GAV, compressor plant, Westinghouse Air Brake Co., Industrial Products Div.
209, stain remover, R. R. Street & Co., Inc.
"2-IN-1," nylon flannel-cover combination, Zuckerberg Co.
2802 HOSE OF TEFLON, flexible hose, Aeroquip Corp.
TY-BORDS, forms for pressing neckties, Joe L. Winner
TYCO, stick machine cleaner for hot irons, presses, Tyson Sales Co., Inc.
TYPE W, basic washer timing control, American Laundry Machinery Co.
TY-HOLDERS, tie and belt holders, Time Savers, Inc.
TYMIT, timers, Tork Clock Co., Inc.
TY-ON, nylon or cotton press covers, F. H. Bonn Co.
TY-PAX, tie and belt holders, Time Savers, Inc.
TYSON, dry size, Dello Products Co.

U

UCON, tumblers, drycleaning units, W. H. Nicholson & Co.
U-DOR-A, perspiration remover, Nu-Pro Mfg. Co
ULTRA-LITE, sour, Keever Starch Co.
ULTRAMATIC, automatic zeolite water softener, Elgin Softener Corp.
ULTRAMATIC, fully automatic air-operated drycleaning press, New York Pressing Machinery Corp.
ULTRA-SOL, soap builder, Thompson-Hayward Chemical Co.
ULTRA-SPEED, laundry drying tumbler, American Laundry Machinery Co.
ULTRA-WITE, fluorescent compound, whitener, H. Kohnstamm & Co., Inc.
U-MASTER, air operated laundry press, Forse Corp.
UNAFLOW, steam engines, Ames Iron Works
UNDER-TOW-ER, industrial conveyors, Lamson Corp.
UNDERWOOD ELLIOTT FISHER, accounting machines, Underwood Corp.
UNDERWOOD SAMAS, punched card accounting machines, Underwood Corp.
UNDERWOOD SUNDSTRAND, adding and accounting machines, Underwood Corp.
UNIFLO, drycleaning washer, Western Laundry Machinery Co.
UNIFLOW, water softeners and conditioners, mechanical filters, water supply pumps, Uniflow Mfg. Co.
UNIFOAM C, rug and upholstery cleaning detergent, Fumol Corp.
UNIHOT, water heaters and starch cookers, Uni-Mac Co.
UNILITE, zeolite water softener, Uniflow Mfg. Co.
UNI-MAC washer-rinse-extractor combination, Uni-Mac Co.
UNI-MAC, dryer-tumblers, Uni-Mac Co.
UNI-MAC COIN METERED, washer-rinse-extractor combination, Uni-Mac Co.
UNI-MAC SANITIZER, deodorizer unit for dryer-tumblers, Uni-Mac Co.
UNIPRESS, air-driven laundry presses, sleevers, sport shirt units, Unipress Co., Inc.
UNISOL, emulsifiers, oils and soaps, Universal Solvent Co.
UNITED, laundry cart, U. S. Steel & Wire Co.
UNITED, valves, pressing machine parts, fittings, United Brass Works, Inc.
UNITED, washable uniforms, United Cotton Goods Co., Inc.
UNITHERM, unit heaters, Clarage Fan Co.
UNIT KLEEN, drycleaning washer-extractor, G. A. Braun, Inc.
UNI-TRAP, bucket type steam trap, Perfecting Service Co.
UNIT WASH, laundry washer-extractor, G. A. Braun, Inc.
UNIVALVE, valves, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
UNIVERSAL, printed book matches, Universal Match Corp., St. Louis 3, Mo.
UNIVERSAL AIR, air filters, air drain traps, controls and regulators, pressure, Perfecting Service Co.
UNIVERSAL SPEED-FEED, sales control system, Egry Register Co.
UNIVERSAL STRIPPER, stain remover and stripper, H. Kohnstamm & Co., Inc.
UNLOADING CASCADE, laundry washer, American Laundry Machinery Co.
URBAN, truck bodies, Montpelier Mfg. Co.
U-SAN-O, drycleaning, mothproofing with chlorophyll, American Mothproofing Co.
U-SAN-O MOTH-SPRAY, spray mothproofing solution, American Mothproofing Co.
U. S. KOGLON, press pads, sponge, Newhouse Specialty Co., Inc.
U. S. MODEL 518-2, sewing machine for drycleaners, U. S. Blind Stitch Machine Corp.
USS STAINLESS, stainless steel, U. S. Steel Co.
USTEX, wire and cable, U. S. Rubber Co.
UTILITY, specially built truck bodies, Utility Truck Distributors, Inc.
UTILITY, blue, H. Kohnstamm & Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

V

V-C, feed ribbons, textiles, Virginia-Carolina Laundry Supply Co.
V.D., spotter, Adco, Inc.
V & W, assorting reels, V & W Equipment Co.
VACUUMATIC, instantaneous water heater, Alstrom Corp.
VAN DYKE SILICA, silica brick, Mexico Refractories Co.
VANETTE, truck bodies for use on Ford trucks, Universal Body Sales, Inc.
VANGUARD, 72 hour dial watchman's clock, Lathem Time Recorder Co.
VANITE, liquid detergent, Adco, Inc.
VA-PER, solvent and plant air cooling, Per Corp.
VA-PERK SAVER, vapor reclaimer, Gross Machiney Co., Inc.
VAPOR-CLARKSON, package type steam generators and hot water heaters, Vapor Heating Corp.
VAPER-MAT, perk vapor recovery units, Excelsior Machinery Co.
VAPOR JET, professional portable steam electric iron, Vapor Jet Steam Products Inc.
VARA, combination solvent cooler and heater, garment holders and baggers, sweetener powder dispenser, belt holder, shirt boxer, A. G. Vara & Son, Inc.
VARIDEX, alphabetic filing system, Remington Rand, Inc.
VARIATOR, steam traps, American District Steam Co., Inc.
VARI-VAC, heating unit, Dunham-Bush, Inc.
VAULTMASTER, fur cleaning and storage equipment, Walter Haertel Co.
VEEDER-ROOT, computing and counting devices, Veeder-Root, Inc.
VEE-LOK, clutch facings, Raybestos-Manhattan, Inc.
VEE-THREE, paste drycleaning soap, Riverside Mfg. Co.
VEGETABLE IVORY, buttons, Eureka Button Co.
VEL, detergent, Colgate-Palmolive Co.
VELAN UNIVERSAL, steam trap, Velan Engineering Co.
VELCO, marking ink and sets, Ink-O Products Co.
VELOCITY STEAM, steam system, Velocity Steam Production Engineering Co.
VEL-ODOR, concentrated liquid odor neutralizer, Caled Products Co., Inc.
VELVA-SOFT, fabric softener, Armour & Co., Industrial Soap Dept.
VELVET RAINBOW, combination starch, Huron Milling Div., Hercules Powder Co.
VELVET SHEEN, rubber base wall paint, Tropical Paint & Oil Co.
VELVET WHEAT, wheat starch, Huron Milling Div., Hercules Powder Co.
VELVO, wetcleaning soap, Davies-Young Soap Co.
VENTURA, propeller fans, American Blower Corp., Div. American-Standard
VENTURA FIN, unit heaters, American Blower Corp., Div. American-Standard
VERSABAR, structural system for racks and pipe supports, M-H Standard Co.
VERSI, laundry and wetcleaning textile finishing compound, John T. Stanley Co., Inc.
VERTEX, low-titer soap flakes, laundry, wetcleaning, rug and carpet, Swift & Co., Industrial Soap Dept.
VERTI-VEYOR, floor-to-floor drycleaning conveyor, Automatic Specialties, Inc.
VIBRA MOVER, fur cleaning table-vented, Walter Haertel Co.
VIBRA-SORBER, pipeline vibration absorber, Flexonics Corp.
VIBRATION ELIMINATOR, vibration eliminator, American Brass Co., American Metal Hose Div.
VIC, drycleaning machinery, Vic Manufacturing Co.
VICTOR, drill rod, Crucible Steel Co. of America
VICTOR, wheat starch, Keever Starch Co.
VICTOR, balata belting, Victor Balata & Textile Belting Co.
VICTOR, adding machines, calculators (printing), Victor Adding Machine Co.
VICTOR-McCASKEY, cash register, Victor Adding Machine Co.
VICTORY, blue, Minnesota Chemical Co.
VICTORY, drycleaning soaps, Patek & Co.
VICTORY, laundry marking tags, Tagit Co.
VIGIL, TYPE D, diaper antiseptic and deodorant, Patek & Co., Inc.
VIGIL, TYPE L, mildew preventative, Patek & Co.
VIKE, pipe joint compound, Keystone Lubricating Co.
VIKING, intermediate quality, dry press firebrick, Mexico Refractories Co.
VIKING RE-NU-IT, drycleaners pumps, Viking Pump Co.
VIKING, suds, Los Angeles Soap Co.
VIM, steam engines, Ames Iron Works
VIRGINIA GREENSTONE, non-skid floor surfacing material, soaking and rinsing tubs, wetcleaning tables, Virginia Greenstone Co., Inc.
VIS-ALL FILE, call office control file, Willco Sales Co.
VISCOR, filter, Weston Electrical Instrument Corp.
VITEX, drycleaning soaps, Patek & Co.
VIVIDOL LT., drycleaning detergent, Stamford Chemical Co.
VIVIDOL, SF, drycleaning detergent, Stamford Chemical Co.
VIVIGLO, solvent soluble brightener, Stamford Chemical Co.
VIVIPRESS, finishing compound, steam treating chemical, Stamford Chemical Co.
VIVISIZE, water white solvent soluble sizing, Stamford Chemical Co.
VIVITEX G, water repellent, Stamford Chemical Co.
VIVITEX 100 PLUS, water repellent, Stamford Chemical Co.
VIVITROL, moisture control instrument, Stamford Chemical Co.
VOKES, air cleaners, filters, separators, strainers, Drico Industrial Corp.
VOL, spotting agent, Stamford Chemical Co.
VOLTEX, spotting agent, Spix Products Co.
VOL-U-METER, flow-responsive proportioning pump, Proportioneers, Inc.
VORCLAY, bentonite clay, American Colloid Co.
VORCLONE, extractors, tumbler, U. S. Hoffman Machinery Corp.
V-S DRIVE, all-electric adjustable speed drive for a.c. circuits, Reliance Electric & Engineering Co.
VULCAN, cover cloth, Pittsburgh Waterproof Co.
VULCAN, stokers, Canton Stoker Corp.
VULCO, V-pulleys, Gates Rubber Co.
VULCOMOUNT, sheaves, Gates Rubber Co.

W

W.C., water carrier, Benda Products, Inc.
W.D.P., wet or dry prespotter, Warco Laboratories, Inc.
W-L, drycleaning detergents, Caled Products Co., Inc.
W. P. R., wet and dry paint remover, National Cleaners Chemical Mfg. Co.
W & D, gas & oil fired boilers, Williams & Davis Boiler & Welding Co., Inc.
WACO, diaphragm fluid pump, Perry Company
WALCO, pipe wrench, Walworth Co.
WALDORF, paper hangers, Waldorf Co.
WALLHIDE, paint, Pittsburgh Plate Glass Co., Paint Div.
WALSEAL, threadless bronze fitting, Walworth Co.
WALWORTH, valves and pipe fittings, Walworth Co.
WARRIOR, tire rebuilding and repair material, Mohawk Rubber Co.
WASCATOR, small open end washers, laundry, Pinnacle Products Corp.
WASH-A-WAY, washer, Cook Machinery Co., Inc.
WASHETTE, open end laundry washer, Cook Machinery Co., Inc.
WASHEX, combination drycleaning washer-extractor, Washex Machinery Corp.
WASHEX TUBE FILTERS, solvent filter, Washex Machinery Corp.
WASHINE, bleach (sodium hypochlorite), Washine Chemical Corp.
WASHINITE, detergent, Washine Chemical Corp.
WASHMASTER, 25 and 50¢ automatic washer, Forse Corp.
WASHMOR, nylon laundry nets, Tingue, Brown & Co.
WASHOIL, oil treatment for linens, Hutchinson Products Co.
WASHOMETER, washing machine recorder, Huebsch Originators, Div. American Laundry Machinery Co.
WASHTENDER, washer controls, Troy Laundry Machinery Div., American Machine & Metals, Inc.
WASHTEX, overall compound, Thompson-Hayward Chemical Co.
WASH-WHIRL, washer-extractor, combination, laundry, Henrici Laundry Machinery Co.
WATCH-DOG, water meters, Worthington Pump & Machinery Corp.
WATCOCELL, asbestos pipe covering, blocks, Ruberoid Co.
WATERCHILLERS, refrigeration heat exchangers, water temp. control valves, heat regulating valves, solvent heaters, stills, muck cookers and vapor adsorbers, Vic Mfg. Co.
WATER KING, small water supply pump, Peerless Pump Div., Food Machinery & Chemical Corp.
WATERPROOFON PRK, water repellent, Apex Chemical Co., Inc.
WATERSPAR, polishing wax, Pittsburgh Plate Glass Co., Paint Div.
WATERWAY, laundry combination washer-extractor, Pantex Mfg. Co.
WATTS, valves and pneumatic products, Watts Regulator Co.
WAYNE, air compressors, pneumatic and hydraulic hoists, hose reels, Wayne Pump Co.
WEARBESTOS, asbestos gloves and mittens, Johns-Manville
WEARTEX, solid woven belting, Victor Balata & Textile Belting Co.
WEATHER-MAKERS, air conditioning, Carrier Corp.
WEATHER-MASTERS, air conditioning, Carrier Corp.
WEATHER-PRUF, water repellent, Lustrol Drycleaning Products, Div. Patek & Co.
WEBCO, packaged boilers, Western Boiler Co.
WEBCO-RAY, packaged boilers, Western Boiler Co.
WEE-SCOT, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
WEIGHT-O-GRAPH 77, automatic scale attachment for beam scales, Howe Scale Co.
WELDMASTER, platform, Lewis-Shepard Products, Inc.
WELPCO, steam valves, discs, Western Laundry Press Co.
WERKRITE, neutral tallow flakes, powder, Allen B. Wrisley Co.
WERK'S COLDWATER, built red-oil soap, Allen B. Wrisley Co.
WESCLENE, liquid break, West Side Corp.
WESCO, dry spotter, prespotter, West Side Corp.
WESOFORM, stain remover, West Side Corp.
WEST COAST, extractors, washers, curtain stretchers, West Coast Laundry Machinery Co.
WESTERN, laundry and drycleaning tumblers, washers and extractors, Western Laundry Machinery Co.
WESTERN, deep well turbine pumps, deep well turbine pressure systems, Western Pump Co., Ltd.
WESTERN, boilers and steam generators, Western Boiler Co.
WESTERN EAGLE, laundry and drycleaning combination washer-extractors, Western Laundry Machinery Co.
WESTERN EAGLELD, laundry combination washer-extractor, Western Laundry Machinery Co.
WESTINGHOUSE, air compressors, Le Roi Co., Subsidiary Westinghouse Air Brake Co.
WESTINGHOUSE, lamps, Westinghouse Electric Corp.
WESTINGHOUSE, laundromat, washers, Ald, Inc.
WESTON, electrical indicating instruments, Weston Electric Instrument Corp.
WESTPORT, dryer, Hoyt Mfg. Corp.
WEST TEXAS, boilers, water heaters and softeners and return tanks, West Texas Marine Boiler Works, Inc.
WESTVACO, chlorinated solvent (synthetic), Westvaco Chemical Div., Food Machinery & Chemical Corp.
WET-AGE, wet spotter, G & G Chemical Corp.
WETAWAY, water repellent, Carman & Co., Inc.
WET-O-DRY, paint remover, Merson Products Co.
WETSOL, general spotter, Eaton Chemical & Dyestuff Co.
WETSOL, wet spotter, Nu-Pro Mfg. Co.
WETSOLV, penetrant, Package Chemical Co., Inc.
WETSPO, wet lube base paint remover, Riverside Mfg. Co.
WETSPOT, wet spotter, Adco, Inc.
WETSYN, synthetic detergent, E. F. Drew & Co., Inc.
WETTSPOTTER, paint, oil and grease remover, Riverside Mfg. Co.
WETT STOCK CONCENTRATE, moisture dispersant, Lustrol Drycleaning Products, Div. Patek & Co.
WHALEBONE, leather and waterproof leather belting, Charlotte Leather Belting Co.
WHEATEX, combination starch, Huron Milling Div., Hercules Powder Co.
WHEAT-N-CORN, combination starch and size, Keever Starch Co.
WHEEL, starch, A. E. Staley Mfg. Co.
WHEEL-EZY, hand truck, Rapids-Standard Co., Inc.
WHEELVEYOR, wheel conveyor, Mechanical Handling Systems Inc.
WHIRL-SORT, sorting reel, Franklin Mfg. Co.
WHIRLWIND, extractor, Fletcher Works, Inc.
WHISK-A-WAY BUNDL-VEYOR, package conveyor, Automatic Specialties, Inc.
WHITE CAP, drycleaning soap, Midland Color & Chemical Co.
WHITE CAP, laundry blue, Beach Soap Co.
WHITECO, nylon laundry net, Whitehouse Nylon Products
WHITEEN-100, medium-titer laundry soap, New South Mfg. Co., Inc.
WHITEGARD, 2-way fabric conditioners for laundries, Pennsalt Chemicals Corp.
WHITE HOUSE, wheat starch, Huron Milling Co.
WHITEINT, fluorescent dye addition to soaps, Carlton Chemical Co., Inc.
WHITE KING, toilet soap, coco almond soap, coco lemon soap, Los Angeles Soap Co.
WHITE LABEL, medium-titer neutral soap, Beach Soap Co.
WHITE RIBBON, tallow soap, laundry, wetcleaning and rug cleaning, Swift & Co., Industrial Soap Dept.
WHITEX, blueing, Park & Tilford
WHITLOCK, preheaters, Whitlock Mfg. Co.
WHITSON SYSTEM, boiler return systems, Healy-Ruff Co.
WHIZ, stain remover, Tower Chemicals, Inc.
WICK, tapes and braids, Wick Narrow Fabrics Co.
WILL-BURT, coal stokers, oil burners, gas burners, Will-Burt Co.
WILLCO, invoice forms, Willco Sales Co.
WILLCO-VEYOR,. call-office conveyor, Willco Sales Co.
WILLIAMS, laundry and drycleaning machinery, Williams Laundry Machinery Co., Inc.
WILLIAMS & DAVIS, boilers, condensation return systems, return units, boiler feed-water systems, Williams & Davis Boiler & Welding Co., Inc.
WILLS-MILCO, rug beater, A. O. Miller Co.
WILLYS' JEEP, multi stop delivery van, Willys Sales Corp., Fleet Sales Dept.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

WILLYS' JEEP PANEL DELIVERY TRUCK, panel delivery, Willys Sales Corp., Fleet Sales Dept.
WILLYS' UNIVERSAL JEEP, fleet maintenance and service trucks, Willys Sales Corp., Fleet Sales Dept.
WIL-NOR, personalized premiums, shirt bands (premium), Wil-Nor Products
WINDMAKER, wall & roof exhaust type for ceiling mounted, floor and pedestal fans, Phil Rich Fan Mfg. Co., Inc.
WINDMAKER, lamp snatchers, changers, Phil Rich Fan Mfg. Co., Inc.
WINDO, cedarized storage bag, Lincoln Bag Co.
WING CLAMP, collar support, Para-Lux Products Co.
WING-GUARDS, hanger shields, Para-Lux Products Co.
WING-LOCK, collar support, Para-Lux Products Co.
WING-ROLL, collar support, Para-Lux Products Co.
WINK, dye stripper, Lustrol Drycleaning Products, Div. Patek & Co.
WINKLER, stokers, U. S. Machine Corp.
WIR "O" MATIC, extractor, Gross Machinery Co., Inc.
WIZARD, automatic washer control, Norman Control Co.
WIZARD, extractors, Hammond Laundry-Cleaning Machinery Co.
WIZARD, laundry net, Southern Mills, Inc.
W/O EMULSIFIER, wetcleaning stock solution, Adrian Research & Chemical Co.
WOLF, electric cloth cutters, fabric drills, rag cutters, Wolf Machine Co.
WONDERFOLD, sport shirt protectors, Sutherland Paper Co.
WONDER WEAVERS, reweaving damaged clothing, Wonder Weavers
WONDER WORKER, sewing machine, U. S. Blind Stitch Machine Corp.
WONDRESS, flatwork ironer pads, Southern Mills, Inc.
WOOL FLAKES, soaps, silks and woolens, Swift & Co., Industrial Soap Dept.
WOOLZ, a specific woolen soap, Caled Products Co., Inc.
WORKHORSE, rug scrubber, Certified Chemical & Equipment Co.
WORK SAVER, drycleaning truck, garment racks, Time Savers, Inc.
WOVERITE, cover cloth, padding, Lewis National Corp.
WRAP-O-MATIC, automatic paper cutting and wrapping machine, Rosenthal Mfg. Co.
WRITE-GO, ink eradicator, A. L. Wilson Chemical Co.
WSP POWDER, water softener, Coastal Chemical Corp.
WULPRESS, wool press cloth and surface cloth, nylon and wool press and surface cloth, Arms Textile Mfg. Co.
WYANDOTTE, detergents, sours, Wyandotte Chemicals Corp., J. B. Ford Div.
WY. RUSKO, water conditioners, Wyandotte Chemicals Corp., J. B. Ford Div.

X

X-CLEANER PASTE, spot remover, J-G Chemists
X. L., built synthetic detergent, Armour & Co., Industrial Soap Dept.
X-L CHARGE, drycleaning detergent, Dixo Co.
XANNO, indelible ink (no heat), Applegate Chemical Co.
X-PANDO, collar supports, Time Savers, Inc.
X-30, rag and overall detergent, George Stearns Chemical & Mfg. Co.
XTRA, nylon press cloth, X. S. Smith, Inc.
XXX, DRI-SHEEN, detergent for charged system, Adco, Inc.

Y

Y.R. SAFETY STRIPPER, all-purpose dye stripper, Lustrol Drycleaning Products, Div. Patek & Co.
Y.R.S., yellow stain and run color remover, Riverside Mfg. Co.
Y-S, air compressors, Le Roi Co., Compressor Div.
LA-DE, mothproof, Crossland Mfg. Co., Inc.
YANKEE, powdered and liquid starch, Gilcor Mfg. Co., Inc.
YARMOR, pine oil, Hercules Powder Co.
YARWAY COLOR-PORT, boiler water gages, Yarnall-Waring Co.
YARWAY FINE SCREEN, pipe line strainers, Yarnall-Waring Co.
YARWAY IMPULSE, steam traps and strainers, Yarnall-Waring Co.
YARWAY INVOLUTE, spray nozzles, Yarnall-Waring Co.
YARWAY "REMOTE," liquid level indicator, Yarnall-Waring Co.
YARWAY "SEATLESS," blow-off valves, Yarnall-Waring Co.
YELLOW-GO, liquid dye-reducing agent, A. L. Wilson Chemical Co.
YELLOW HOOP, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
YELLOW REMOVER, titanium type stripper, Patek & Co.
YELO-LIQUID COLD STRIPPER, stain remover, and stripper, H. Kohnstamm & Co., Inc.
YORK-POWER, burners, generators, York-Shipley Inc.
YOUNGS-PHILADELPHIA, platform trucks and dollies, various sizes, Paul O. Young Co.

Z

Z-P, silk drycleaning soap for chlorinated solvent systems, Caled Products Co., Inc.
ZACK-O-MIX, concrete floor weld, Peters Co., Div. Toledo Paint & Chemical Co.
ZANZIBAR-CARBON, blues, curtain colors, indelible ink, indelible ink eradicator and thinner, B. Heller & Co.
ZARMITE, foot-power laundry presses, American Laundry Machinery Co.
ZARMO, foot-power laundry presses, American Laundry Machinery Co.
ZARMOETTE, foot-operated laundry presses, American Laundry Machinery Co.
ZE-DRAPE, folder for draperies, Zimmerman Products
ZEETONE, paint remover, Riverside Mfg. Co.
ZE-GLOW, fur cleaning liquid and compound, Zimmerman Products
ZE-GO, fuzz ball remover, Zimmerman Products
ZEIDLER, spring cushion for flatwork ironers, stripping and guide device, Zeidler Mfg. Co., Inc.
ZELAN, durable water repellent, E. I. du Pont de Nemours & Co., Inc.
ZELCO, press and ironer pads, padding press covers, Nathan Zellermayer & Co.
ZELEC, antistatic agent, E. I. du Pont de Nemours & Co., Inc.
ZEL-TEX, drycleaning soap, hat sizing, paint remover, spotting agents, Zel-Tex Co., Inc.
ZENITH, electric timers, Zenith Electric Co.
ZENITH, extractors, filters, washers, Billingsly Machinery Co.
ZENITH STARCH AID, laundry finishing lubricant, Patek & Co.
ZEOLITE, boiler feed-water treatment, National Chemical Sales Co., Inc.
ZEOLITE ALGAE, control treatment, National Chemical Sales Co., Inc.
ZEOLITE AMINE, condensate treatment control of rust and pitting in return lines, National Chemical Sales Co., Inc.
ZEPHYR, extractor, ironer, washer, Hydraxtor Co.
ZERO, combination water softener and iron removers, neutralizers, Zero Water Softener Mfg. Co.
ZERO-OXYGEN, deaerating system, Fred H. Schaub Engineering Co.
ZEROSOFT, water softener, iron remover, filter, zeolite, Zero Water Softener Mfg. Co.
ZEST, synthetic wetcleaning soap, Adco, Inc.
ZETONE, cleaning, glazing fluid, ground wood flour (treated), cloth tumbling bag, Zimmerman Products
ZIG-ZAG, power conveyor, Richards-Wilcox Mfg. Co.
ZIG-ZAG, heat exchangers and reclaimers, David Stout & Sons
ZIP, go-back conveyor, Time Savers, Inc.
ZIP-LUXOR, plastic storage bag, side opening, Rassenfoss Bag Co., Inc.
ZIPOLA, lubricant, High Chemical Co.
ZIPON, leather finish, Keystone Aniline & Chemical Co., Inc.
ZIPPER-EASE, stainless lubricant, A. G. S. Co.
ZIPPO, wetcleaning detergent, Benda Products, Inc.
ZIP-R-FLEX, tool kit for repairing zippers, Mars Tool Co.
ZIP STIK, ink remover, Keystone Aniline & Chemical Co., Inc.
ZOL, synthetic drycleaning solvent, Stauffer Chemical Co.
ZOLVIT, paint, oil and grease remover, Riverside Mfg. Co.
ZONE-AIR, feather reconditioning unit, American Laundry Machinery Co.
ZONE-AIR, laundry or drycleaning drying tumblers, American Laundry Machinery Co.
ZONEX, chloroform substitute, Package Chemical Co., Inc.
ZORIC, garment cleaning system, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Z-RAY, drycleaning detergent, Delan Co.
ZUCKERBERG, replacement collars and cuffs, laundry bags, nets, press covers, Zuckerberg Co.
ZUDS, sulphated compound for wetcleaning in salt or acid solutions, Caled Products Co., Inc.
ZURON, petroleum solvent drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ZYMO, enzymic spot remover, Keystone Aniline & Chemical Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 286.

MANUFACTURERS

equipment and supply producers listed alphabetically with their mailing addresses

A

A.A.A. Weaving Service, 1182 Madicon Ave., New York 28, N. Y.
A A Laundry Machinery Co., 1110-12 S. Kedzie Ave., Chicago 12, Ill.
A-B Novelty Corp., 519 30th St., Union City, N. J.
Abbey Mfg. Co., Inc., 1604 N. Third St., Kansas City, Kans.
ABC Collar 'N' Cuff Co., 423 Broadway, New York 13, N. Y.
Absco-Clean Chemical Co., 6017 E. McNichols Rd., Detroit 12, Mich.
A.G.S. Co., Muskegon, Mich.
Academy Hanger Co., Inc., 177 E. 123rd St., New York 35, N. Y.
Ace Fastener Corp., 3415 N. Ashland Ave., Chicago 13, Ill.
Ace Hose & Rubber Co., 1708-14 S. State St., Chicago 16, Ill.
Ace Weaving Service, 416 Madison Ave., New York 17, N. Y.
Acme Dye House, Inc., 7606 Carnegie Ave., Cleveland 3, Ohio
Acme Hatters Supply Co., 104-106 Bleecker St., New York 12, N. Y.
Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y.
Acme Industries, Inc., 600 N. Mechanic St., Jackson Mich.
Acme Soap Co., 251 Third St., Cambridge 42, Mass.
Adams Weaving Co., 1123 Republic Bldg., Chicago 4, Ill.
Adco, Inc., 900 W. Main St., Sedalia, Mo.
Addressograph-Multigraph Corp., 1200 Babbitt Rd., Cleveland 17, Ohio
Adelman Glove Cleaners, Inc., & Leather Cleaners, 1607 Devon Ave. & 3757 Fullerton, Chicago, Ill.
Adhesive Products Corp., 1660 Boone Ave., New York 60, N. Y.
Adrian Research & Chemical Co., Inc., Elm & Pennsylvania Aves., North Wales, Pa.
Advance Floor Machine Co., 2613 S.E. Fourth St., Minneapolis 14, Minn.
Aerol Co., Inc., 1731 Workman St., Los Angeles 31, Calif.
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Aerovent Fan Co., 700 E. Ash St., Piqua, Ohio
Aetna Felt Co., Inc., 204 Centre St., New York 4, N. Y.
Air Cooling Engineering Co., P. O. Box 744, Evanston, Ill.
Ajax Presses, 619 S. Fifth West, Salt Lake City, Utah
Ald, Inc., 7045 N. Western Ave., Chicago 45, Ill.
Alemite Div., Stewart Warner Corp., 1826 Diversey Parkway, Chicago 31, Ill.
Alert Boiler & Mfg. Co., 9661 Robson St., Detroit 28, Mich.
Alfreda Furs, 150 W. 30th St., New York, N. Y.
Allcraft Mfg. Co., 27 Hayward St., Cambridge 42, Mass.
Allegheny Ludlum Steel Corp., Oliver Bldg., Mellon Square, Pittsburgh 22, Pa.
Allen & Vickers, Inc., 495 Glen Iris Dr., N. E., Atlanta, Ga.
Allen, R. C., Business Machines, Inc., 678 Front St., N. W. Grand Rapids, Mich.
Allied Equipment Co., 7671 Rogers Ave., Chicago 26, Ill.
Allied Laundry Machinery Corp., Wythe Ave., Brooklyn, N. Y.
Allied Printing & Stationery Co., Inc., 270 Lafayette St., New York 12, N. Y.
Allis-Chalmers Mfg. Co., 1126 S. 70th St., Milwaukee 1, Wisc.
Allis, Louis, Co., 427 E. Stewart St., Milwaukee 7, Wisc.
All Star Industries, 147 Auction St., Memphis, Tenn.
Almore Dye House, 4412-4424 Wentworth Ave., Chicago 9, Ill.
Alrose Chemical Co., Div. Geigy Chemical Corp., P. O. Box 1294, Providence 1, R. I.
Alton Mfg. Co., 1112 Ross Ave., Dallas 2, Texas
Aluminum Co. of America, 640 Gulf Bldg., Pittsburgh 19, Pa.
Ambassador Continuous Towel Cabinet Co., 125 N. Mission Rd., Los Angeles 33, Calif.
Amber Mfg. Co., 16220 S. Figueroa St., Gardena, Calif.
Amber School of Reweaving, Box 628, No. Miami Beach, Fla.
Americaine, Inc., 1316 Sherman Ave., Evanston, Ill.
American Air Compressor Corp., 48th & Dell Ave., North Bergen, N. J.
American Alcolac Corp., 3450 Fairfield Rd., Baltimore 26, Md.
American Aniline Products, Inc., 50 Union Sq., New York 3, N. Y.
American Associated Cos., Inc., P. O. Box 4056, Atlanta, Ga.
American Blower Corp., Div., American-Standard, Detroit 32, Mich.
American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y.
American Brass Co., American Metal Hose Div., P. O. Box 791, Waterbury 20, Conn.
American Cleaners Equipment Co., Div. American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio
American Coal Burner & Wood Stoker Corp., 18 E. Erie St., Chicago 11, Ill.
American Coat Hanger Mfg. & Specialty Co., 3917-21 W. Jefferson Blvd., Los Angeles 16, Calif.
American Colloid Co., 363 W. Superior St., Chicago 10, Ill.
American Coolair Corp., Box 2300, Jacksonville 3, Fla.
American District Steam Co., 455 Bryant St., North Tonawanda, N. Y.
American Electrical Heater Co., 6110 Cass Ave., Detroit 2, Mich.
American Engineering Co., Armingo Ave. & Cumberland St., Philadelphia 25, Pa.
American Felt Co., Glenville Rd., Glenville, Conn.
American Floor Products Co., 4922 Wisconsin Ave., N.W., Washington 16, D. C.
American Hair & Felt Co., 1828 Merchandise Mart, Chicago 54, Ill.
American Hatters Supplies, Inc., 9 E. Harrison St., Chicago 5, Ill.
American Institute of Laundering, Joliet, Ill.
American-La France-Foamite Corp., 100 E. LaFrance St., Elmira, N. Y.
American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio
American Mineral Spirits Co., 230 N. Michigan Ave., Chicago, Ill.
American Monorail Co., 13107 Athens Ave., Cleveland 7, Ohio
American Mothproofing Co., 2510 Hampton Ave., St. Louis 10, Mo.
American Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn 8, N. Y.
American Pressboard Co., Inc., 114 W. 30th St., New York 1, N. Y.
American Shirt Co., 1123 Broadway, New York 10, N. Y.
American Sterilizer Co., 1230 Plum St., Erie, Pa.
American Telephone & Telegraph Co., 195 Broadway, New York 7, N. Y.
American Textile Weaving Co., 5 N. Wabash, Chicago, Ill.
American Water Softener Co., Fourth & Lehigh, Philadelphia 33, Pa.
American Wire Form Corp., 265 Grant Ave., Jersey City 5, N. J.
Ames Iron Works, Inc., Oswego, N. Y.
Analytical Measurements, Inc., 585 Main St., Chatham, N. Y.
Anderson Box & Basket Co., Inc., Henderson, Ky.
Anderson Collar Support Co., 1443 E. 120th St., Cleveland 6, Ohio
Anderson Specialty Mfg. Co., 5 Hunt Rd., Jamestown, N. Y.
Anderson, V. D., Co., Div. International Basic Economy Corp., 1935 W. 96th St., Cleveland 2, Ohio
Anderson-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla.
Andrew Paper Box & Bag Corp., Brooklyn 23, N. Y.
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Andrew Technical Service, 11 E. Delaware Pl., Chicago 11, Ill.
Angelica Uniform Co., 1419-29 Olive St., St. Louis 3, Mo.
Angle Steel, Inc., Acorn St., Plainwell, Mich.
Anson, Art, Inc., 1901 S. 12th St., Allentown, Pa.
Ansul Chemical Co., Marinette, Wisc.
Anthony Co., 47-33 Fifth St., Long Island City 1, N. Y.
Apex Chemical Co., Inc., 225 W. 34th St., New York 1, N. Y.
Apex Electrical Mfg. Co., 11770 Berea Rd., Cleveland, Ohio
Apex Rotarex Corp., 1070 E. 152nd St., Cleveland 10, Ohio
Applebaum, P., Inc., Belfield Ave. & Wister St., Philadelphia 44, Pa.
Applegate Chemical Co., 5632 Harper Ave., Chicago 37, Ill.
Appliance Service Co., 1821 54th St., Brooklyn 4, N. Y.
Aqua Electric Scale Control, Inc., 2028 E. 22nd St., Cleveland 15, Ohio
Aqua-Jet Machine Corp., 225 W. 34th St., New York 1, N. Y.
Aqua-Sec Corp., 1450 Broadway, New York 18, N. Y.
Aquatrol, Inc. (Specialties Div.), 689 Milwaukee Ave., Chicago 22, Ill.
Arabol Mfg. Co., 110 E. 42nd St., New York 17, N. Y.
Armen Chemicals, Inc., 630 S. Ashley St., Ann Arbor, Mich.
Armite Laboratories, 6609 Broad St., Los Angeles 1, Calif.
Armour & Co., Industrial Soap Dept., 1355 W. 31st St., Chicago 9, Ill.
Arms Textile Mfg. Co., 200 Fifth Ave., New York 10, N. Y.
Armstrong Machine Works, 832 Maple St., Three Rivers, Mich.
Arndt Mfg. Co., Inc., 795 Flatbush Ave., Brooklyn, N. Y.
Arnold-Hoffman & Co., Inc., 55 Canal St., Providence, R. I.
Aroscent, Inc., P. O. Box 269, Dobbs Ferry, N. Y.
Arrow Fastener Co., Inc., 1 Junius St., Brooklyn 12, N. Y.
Arrow Mfg. Co., 2924 Terrace St., P. O. Box 416, Kansas City 41, Mo.
Arrow Tank Co., Inc., 16 Barnett St., Buffalo 15, N. Y.
Asselin, Victor, Fur Co., 412 Eighth Ave., New York 1, N. Y.
Associated Crib Diapers Cos., 4747 N. Damen Ave., Chicago 25, Ill.
Atlanta Brush Co., Box 1358, Atlanta 1, Ga.
Atlanta Paper Co., Marietta Ave., Atlanta, Ga.
Atlas Body Co., 4150 E. Thompson St., Philadelphia 37, Pa.
Atlas Powder Co., Chemicals Div., Concord Pike & New Murphy Rd., Wilmington 99, Del.
Atlas Steel Products, Inc., 1160 Chico Ave., El Monte, Calif.
Attapulgas Clay Co., 210 W. Washington Sq., Philadelphia 5, Pa.
Autographic Register Co., Seventh & Park, Hoboken, N. J.
Automatic Paper Box Corp., 1011-25 S. California Ave., Chicago, Ill.
Automatic Salesbook Co., Willimantic, Conn.
Automatic Service & Supply Co., Inc., P. O. Box 7267, San Antonio, Texas
Automatic Specialties, Inc., 242 Walker St., S. W. Atlanta 3, Ga.
Automatic Steam Products Corp., 140 W. 31st St., New York, N. Y.
Ayerst, McKenna & Harrison, 22 E. 40th St., New York 16, N. Y.

B

B & C Engineering Co., 2706 Chestnut St., Toledo, Ohio
Baehr Laundry Machine Co., 29 Calumet St., Newark 5, N. J.
Bailey Meter Co., 1050 Ivanhoe Rd., Cleveland 10, Ohio
Bailey, Prihoda & Co., 326 Kalamazoo Ave., Kalamazoo 11, Mich.
Barber-Colman Co., P. O. Drawer 99, Rockford, Ill.
Barco Mfg. Co., 1801-15, Winnemac Ave., Chicago 40, Ill.
Barker Mfg. Co., 730 E. Michigan Ave., Battle Creek, Mich.
Barreled Sunlight Paint Co., 10 E. Dudley St., Providence 1, R. I.
Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Bartlett Label Co., 2135 Portage St., Kalamazoo 29F, Mich.
Bauer, Samuel, & Sons, Inc., 143 W. 29th St., New York, N. Y.
Beach Soap Co., 125 Lawrence St., Lawrence, Mass.
Beaver Pipe Tools, Inc., 310 Dana Ave., Warren, Ohio
Behrstock, L., Co., 1706 S. State St., Chicago 16, Ill.
Belnap & Thompson, Inc., 271 Madison Ave., New York, N. Y.
Bemis Bro. Bag Co., 408 Pine St., St. Louis 2, Mo.
Benda Products, Inc., 120 Potter St., Cambridge 42, Mass.
Bendix Aviation Corp., Flexible Hose Div., U. S. Route 6, Teterboro, N. J.
Benton Sol-Temp Co., 2322 12th Ave., N., Birmingham, Ala.
Benwall Mfg. Co., Inc., 2859 Atlantic Ave., Brooklyn 7, N. Y.
Bergen Machine Tool Co., Inc., Radne Unit Springs Div., 189 Franklin Ave., Nutley 10, N. J.
Berger Mfg. Div., Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio
Berlou Mfg Co., 421 Monroe St., Marion, Ohio
Bernard-Franklin Co., Inc., 3000 E. Hedley St., Philadelphia 37, Pa.
Bersworth Chemical Co., Waverly St., Framingham, Mass.
Bertsch & Co., Cambridge City, Ind.
Besley Corp., 4053 Harlan St., Emeryville 8, Cal.
Best Coat & Apron Mfg. Co., Inc., 408 E. 59th St., New York 22, N. Y.
Best Forms Co., 10 Grace St., P. O. Box 736, Wilmington, N. C.
Best Textile Co., 408 E. 59th St., New York 22, N. Y.
Bestway Shine Removal Co., Inc., 416 Madison Ave., New York 17, N. Y.
Better Packages, Inc., 254 Canal St., Shelton, Conn.
Bigelow Chemical Products Corp., 98 Bigelow St., Quincey 69, Mass.
Bigelow-Sanford Carpet Co., 136 Madison Ave., New York 16, N. Y.
Binks Mfg. Co., 3114 W. Carroll Ave., Chicago 12, Ill.
Bishop David Freeman Co., 1600 Foster Ave., Evanston, Ill.
Blackmer Pump Co., 1809 Century Ave., S. W., Grand Rapids 7, Mich.
Blair Hunt Co., 134 McDonald Ave., Albertville, Ala.
Blenco Co., 885 Flatbush Ave., Brooklyn, N. Y.
Bock Laundry Machine Co., 3600 Summit, Toledo 11, Ohio
Boiler Engineering & Supply Co., Inc., Manavon St., Phoenixville, Pa.
Bond Foundry & Machine Co., Manheim, Pa.
Bonis Bros. Fur Machinery Corp., 312 Seventh Ave., New York 1, N. Y.
Bonn, F. H., Co., 111 N. Hickory Ave., Arlington Heights, Ill.
Borne, Scrymser Co., 632 S. Front St., Elizabeth, N. J.
Bostitch, Inc., 537 Mechanic St., Westerly, R. I.
Boston Clip & Tag Co., 48 Grove St., Somerville, Mass.
Bostwick-Batterson Co., 315-23 N. 12th St., Philadelphia 7, Pa.
Bostwick Laboratories, 706 Bostwick Ave., Bridgeport 5, Conn.
Bowser, Inc., 1302 E. Creighton Ave., Fort Wayne 2, Ind.
Boyertown Auto Body Works, Inc., Third & Walnut Sts., Boyertown, Pa.
Brady Conveyors Corp., 20 W. Jackson Blvd., Chicago 4, Ill.
Braun Brush Co., 8833 78th St., Woodhaven 21, N. Y.
Braun, G. A., Inc., Empire Bldg., Syracuse, N. Y.
Braun, Philip, N., 2204 Erie Blvd., East, Syracuse 1, N. Y.
Brenew Co., Platteville, Wisc.
Bressler Engineering Service, 509 N. Fourth Ave., P. O. Box 111, Oregon 1, Ill.
Breuer Electric Mfg. Co., 5100 N. Ravenswood Ave., Chicago 40, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Bristol Co., Waterbury 91, Conn.
Brooks, Alfred J., 184 Dent St., West Roxbury, Boston, Mass.
Bros, Wm., Boiler & Mfg. Co., 1057 10th Ave., S.E., Minneapolis 14, Minn.
Brown, Dayton T., Inc., 1305 Strong's Rd., Copiague, L. I., N. Y.
Brownell Co., 450 N. Findlay St., Dayton 1, Ohio
Brumber & Zinniel, 6211 N. Bay Ridge Ave., Milwaukee, Wisc.
Bruner Corp., 4763 N. 32nd St., Milwaukee 9, Wisc.
Brunner Div., Dunham-Bush, Inc., 1821 Broad St., Utica 1, N. Y.
Bryan Steam Corp., State Road 19, Peru, Ind.
Bryant Heater Div., Affiliated Gas Equipment, Inc., 17825 St. Clair Ave., Cleveland 10, Ohio
Buffalo Meter Co., 2917 Main St., Buffalo 14, N. Y.
Bunn, B. H., Co., 7605 Vincennes Ave., Chicago 20, Ill.
Burcott Mills, 616 W. Fulton St., Chicago 6, Ill.
Burroughs Adding Machine Co., 6071 Second Ave., Detroit 32, Mich.
Bussard, R. D., & Son, 505 E. Fifth Ave., Albany, Ore.
Butler Engineering Co., 2612 Rousseau St., New Orleans 13, La
Butler Mfg. Co., 7400 E. 13th St., Kansas City 26, Mo.

C

C & H Electric Co., 436 W. Juneau Ave., Milwaukee 3, Wisc.
C. O. D. Cleaning & Dyeing Co., Davenport, Iowa
Cade Paper & Bag Corp., 58 Sedgewick St., Brooklyn 2, N. Y.
Caldwell, W. E., Co., 2001 Brook St., Louisville 8, Ky.
Caled Products Co., Inc., 4200 Bladensburg Blvd., Brentwood, Md.
Calgon Co., Div. Hagan Chemicals & Controls, Inc., 323 Fourth Ave., Pittsburgh 22, Pa.
California Laundry Equipment Co., 2221 Union St., Oakland, Cal.
Callaway Mills, Inc., 295 Fifth Ave., New York 16, N. Y.
Callette Distributors and Supply, Inc., 539 W. 69th Street, Chicago 21, Ill.
Calusa Chemical Co., 801 Macy St., Los Angeles 12, Calif.
Campbell Box & Tag Co., Sample & Guide Sts., South Bend 23, Ind.
Campbell, J. A., Co., 645 E. Wardlow Rd., Long Beach 7, Cal.
Canton Stoker Corp., 1200 Andrew Pl., Canton 1, Ohio
Canvas Specialty Co., P. O. Box 937, Hartford 1, Conn.
Capital Poster Service, Inc., 307 Canal St., New York, N. Y.
Cappel, MacDonald & Co., 30 E. 60th St., New York, N. Y.
Carey, Philip, Mfg. Co., Lockland St., Cincinnati 15, Ohio
Carey Salt Co., Carey Bldg., Hutchinson, Kans.
Carlton Chemical Co., Inc., 33 Commerce St., New York 14, N. Y.
Carlyle Rubber Co., Inc., 64 Park Pl., New York 7, N. Y.
Carnegie-Illinois Steel Corp., Carnegie Bldg., Pittsburgh 30, Pa.
Carousel Sign Co., 420 E. Rose St., Lakeland, Fla.
Carrier Corp., 300 S. Geddes St., Syracuse, N. Y.
Carry Pack Co., Ltd., 9525 Irving Park Rd., Schiller Park, Ill.
Carson Textile Co., 2401 S. Swanson St., Philadelphia 48, Pa.
Carter Machinery Co., 1412 Houston St., Grand Prairie, Texas
Carter's Ink Co., 239 First St., Cambridge 42, Mass.
Carver Pump Co., Hershey & Green Sts., Muscatine, Iowa
Cash, A. W., Valve Mfg. Corp., 666 E. Wabash Ave., Decatur, Ill.
Cash, J. & J., Inc., Chestnut St., South Norwalk, Conn.
Caterpillar Tractor Co., 350 Fifth Ave., New York, N. Y.
Central Brass Mfg. Co., 2950 E. 55th St., Cleveland 4, Ohio
Central Dyeing Co., 1550 Dickson Ave., Scranton 9, Pa.
Central States Paper & Bag Co., Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.
Centrize, 2224 63rd St., Kenosha, Wisc.
Century Electric Co., 1806 Pine St., St. Louis 3, Mo.
Century Paper Products Co., 2762 S. Archer, Chicago, Ill.
Cepi-American, Inc., 7767 North Ave., River Forest, Ill.
Certified Chemical & Equipment Co., 5366 St. Clair Ave., Cleveland 3, Ohio.
Chace Valve Div., American Laundry Machinery Co., Norwood Station, Cincinnati 12, Ohio
Chainveyor Corp., 5618 E. Washington Blvd., Los Angeles 22, Cal.
Challenge Mfg. Co., 7400 E. Bandini Blvd., Los Angeles 22, Calif.
Challenge Marking Tag Co., 3917-21 W. Jefferson Blvd., Los Angeles 16, Cal.
Champion Implement Corp., 45 W. 45th St., New York 19, N. Y.
Chandler Machine Co., West St., Ayer, Mass.
Change-O-Matic Corp., 660 First Ave., New York 16, N. Y.
Chapman Suede & Leather Refinishers, 1307 Franklin Ave., Wichita, Kans.
Charleston Rubber Co., 23 Stark Industrial Park, Charleston, S. C.
Charlotte Leather Belting Co., 314-B E. Sixth St., Charlotte 1, N. C.
Chase Brass & Copper Co., 236 Grand St., Waterbury 91, Conn.
Chatillon, John, & Sons, 89 Cliff St., New York 38, N. Y.
Checking System Co., 515 S. Walker St., Columbia, S. C
Chek Products, Inc., 31 Nassau Pl., East Orange, N. J.
Chelsea Fan & Blower Co., 639 South Ave., Plainfield, N. J.
Chempump Corp., 1300 E. Mermaid Lane, Philadelphia 18, Pa.
Chemstrand Corp., The, 350 Fifth Ave., New York, N. Y.
Chevlin, Samuel, Co., Inc., 2721 N. Halsted St., Chicago 4, Ill.
Chevrolet Motor Div., General Motors Corp., Detroit 2, Mich.
Chicago Automatic Stoker Co., 14 N. Clinton St., Chicago 6, Ill.
Chicago Dryer Co., 2212 N. Pulaski Rd., Chicago 39, Ill.
Chicago Pump Co., 2300 Wolfram St., Chicago 18, Ill.
Chicago New & Used Laundry Equipment Co., 2128 W. Lake St., Chicago 12, Ill.
Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp., Fremont Ave., Tonawanda, N. Y.
Chloral Chemical Corp., 171 Lombardy St., Brooklyn 22, N. Y.
Chrysler Corp., Airtemp Div., 1119 Leo St., Dayton, Ohio
Chrysler Corp., Amplex Div., 6501 Harper Ave., Detroit 31, Mich.
Ciba Co., Inc., 627 Greenwich St., New York 14, N. Y.
Cidex Corp., 44 Sherman Ave., Jersey City 7, N. J.
Cincinnati Marking Tag & Supply Mfg. Co., 12 E. Ninth St., Cincinnati 2, Ohio
Cincinnati Repair Service, 413 Race St., Cincinnati, Ohio
Cinti Suede & Leather Cleaners, 8581 Cheviot Rd., Cincinnati, Ohio
Cissell, W. M., Mfg. Co., Inc., 831 S. First St., Louisville 1, Ky.
Clarage Fan Co., North & Porter Sts., Kalamazoo 16, Mich.
Clark Mfg. Co., 1830 E. 38th St., Cleveland 14, Ohio
Clarke Floor Machine Co., 30 E. Clay Ave., Muskegon, Mich.
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Cal.
Cleaners Hanger Co., 18140 James Couzens Highway, Detroit 35, Mich.
Cleaners Sales & Equipment Corp., 135 Kent Ave., Brooklyn 11, N. Y.
Cleaners Specialties Supplies Co., 6615 N. Fairfield Ave., Chicago 45, Ill.
Clear-View Packaging Co., 8218 Stony Island Ave., Chicago 17, Ill.
Cleaver-Brooks Co., 358 E. Keefe Ave., Milwaukee 12, Wisc.
Cleveland Garment Hanger Co., 8205 Madison Ave., Cleveland 2, Ohio
Cleveland Heater Co., 2310 Superior Ave., Cleveland, Ohio
Cleveland Rug Cleaning Machinery Co., 5618 Hamlet Ave., Cleveland 4, Ohio
Clinton Corn Processing Co., Clinton, Iowa
Clinton Products Co., Clinton 7, Mich.
Clipper Belt Lacer Co., 974 Front Ave., N.W., Grand Rapids 2, Mich.
Clopay Corp., Clopay Sq., Cincinnati 14, Ohio
Clorox Chemical Co., 850 42nd Ave., Oakland 1, Cal.
Clothes-A-Clean Mfg. Corp., 5600 N. W. 2nd Ave., Miami, Fla.
Coastal Chemical Corp., 685 River Drive, Garfield, N. J.
Coates Electric Mfg. Co., 3610 First Ave. S., Seattle 4, Wash.
Coat Retainer Co., 137 Haggin St., San Antonio 10, Texas
Cochrane Corp., 3101 N. 17th St., Philadelphia 32, Pa.
Coe Mfg. Co., Bank St., Painesville, Ohio
Coffman Mfg. Corp., 531 Milwaukee Ave., Chicago 22, Ill.
Cole Leather Cleaners of America, 1287 Second Ave., New York 21, N. Y.
Colgate-Palmolive Co., 300 Park Ave., New York 22, N. Y.
College Chemical Co., 16 Brooks Park, Medford, Mass.
Colonial Envelope Co., Inc., 24 East 22nd St., New York, N. Y.
Colonial Rubber Co., Ravenna, Ohio
Colorado Tent & Awning Co., 1642 Lawrence St., Denver 2, Colo.
Colson Corp., Cedar & Pine Sts., Elyria, Ohio
Columbia Appliance Corp., 47-47 35th St., Long Island City, N. Y.
Columbia Boiler Co. of Pottstown, Box 230, Pottstown, Pa.
Columbia Laundry Machinery Co., 1313-19 E. 15th St., Kansas City, Mo.
Columbia Sewing Machine Corp., 129-131 W. 22nd St., New York 3, N. Y.

Columbia-Southern Chemical Corp., One Gateway Center, Pittsburgh 22, Pa.
Columbus Lace Cleaning Co., 49 Greenlawn Ave., Columbus, Ohio
Columbus Reweavers, 7651 N. E. Second Ave., Miami, Fla.
Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.
Combustioneer Div., Steel Products Engineering Co., 1205 W. Columbia St., Springfield, Ohio
Combustion Engineering Co., Inc., 200 Madison Ave., New York, N. Y.
Comer Co., 308 Ivy St., N. E. Atlanta 1, Ga.
Comet Envelope & Paper Co., Inc., 5 E. 17th St., New York 3, N. Y.
Commercial Filters Corp., 2 Main St., Melrose 76, Mass.
Commercial Heater Co., P. O. Box 7295, Fort Worth, Texas
Commercial Investment Trust, Inc., 1 Park Ave., New York 16, N. Y.
Competition Chemicals, Box 141, Iowa Falls, Iowa
Conco Engineering Works, Div. H. D. Conkey & Co., 1900 Orange St., Mendota, Ill.
Concord Chemical Co., Inc., P. O. Box 800, Camden 1, N. J.
Cone Mills, Inc., 59 Worth St., New York 13, N. Y.
Connolly, J. J., Inc., 457 W. 40th St., New York 18, N. Y.
Conrad Embroidery Co., 523 30th St., Union City, N. J.
Con-Secu-Tag, Inc., 27 Hooper St., Brooklyn 11, N. Y.
Container Development Corp., Dept. SR, Watertown, Wisc.
Continental Can Co., 100 E. 42nd St., New York 17, N. Y.
Continental Car-Na-Var Corp., P. O. Box 344, Brazil, Ind.
Cook Machinery Co., Inc., 4301 S. Fitzhugh, Dallas 10, Texas
Cook's Adams, Sons, Inc., 5 N. Stiles St., Linden, N. J.
Coolidge, John E., Co., 2508 W. Slauson Ave., Los Angeles 43, Calif.
Cooper-Bessemer Corp., N. Sandusky St., Mt. Vernon, Ohio
Cooper, H. P., Co., 308-10 S. Green St., Chicago 7, Ill.
Cornell Belting Co., 440 N. Wells St., Chicago 10, Ill.
Cornell Paperboard Products Co., 1514 E. Thomas Ave., Milwaukee 1, Wisc.
C-O-Two, U. S. Highway 1, Newark 1, N. J.
Coventry Products Co., Inc., 4041 Okalona Rd., Cleveland 21, Ohio
Cowles Chemical Co., 7016 Euclid Ave., Cleveland 3, Ohio
Crane Co., 836 S. Michigan Ave., Chicago 5, Ill.
Cravenette Co., U. S. A., 60 Romanelli Ave., South Hackensack, N. J.
Crawford Fitting Co., 884 E. 140th St., Cleveland, Ohio
Crescent Belt Fastener Co., 480 Lexington Ave., New York 17, N. Y.
Crewdson Co., 626 S. Clark St., Chicago 5, Ill.
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works, Ampere, N. J.
Crosby Steam Gauge & Valve Co., 10 Roland St., Boston 29, Mass.
Croton Chemical Corp., 114 Liberty St., New York 6, N. Y.
Crown Mfg. Co., 1025 N. Sixth St., St. Louis 1, Mo.
Crucible Steel Co. of America, Henry W. Oliver Bldg., Mellon Sq., Pittsburgh 22, Pa.
Culligan, Inc., 1810 Shermer Rd., Northbrook, Ill.
Cummings-Landau Laundry Machinery Co., Inc., 305-17 Ten Eyck St., Brooklyn 6, N. Y.
Cupples-Hess Corp., 4175 N. Kingshighway Blvd., St. Louis 15, Mo.
Curry, J. W., Co., 2615 Cummins St., Cincinnati 25, Ohio
Curtis Mfg. Co., 1905 Kienlen Ave., St. Louis 20, Mo.
Custom Engineering Co., 3138 W. Slauson Ave., Los Angeles 43, Calif.
Custom Fur Service, Inc., Second Ave. at 109th St., Troy, N. Y.
Custom-Helenizing Leather, 310 Prospect St., Trenton, N. J.
Custom Leather Refinishers, 310 Prospect St., Trenton, N. J.
Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wisc.
Cyclotherm Div., National U. S. Radiator Corp., 157 E. First St., Oswego, N. Y.

D

D. & R. Controls, 220 First St., N. E., Cleveland, Tenn.
Dahlberg Machinery Co., 417 Torrey Bldg., Duluth, Minn.
Dakota Chemical Co., Arberdeen, S. D.
Daniels, C. R., Inc., Daniels, Md.
Darco Dept. (Atlas Powder Co.), 60 E. 42nd St., New York 17, N. Y.
Darman Mfg. Co., Inc., 1410 Lincoln Ave., Utica, N. Y.
Darnell Corp., Ltd., 12000 Woodruff Ave., Downey, Cal.
Davies-Young Soap Co., 705 Albany St., Dayton 1, Ohio
Davis Emergency Equipment Co., Inc., 45 Halleck St., Newark 4, N. J.
Davis Engineering Corp., 1604 E. Grand St., Elizabeth 4, N. J.
Davis, K. H., Mfg. Corp., 2415 E. 23rd St., Los Angeles 11, Cal.
Davis Regulator Co., 2663 W. 25th Pl., Chicago 8, Ill.
Davis-Weil Mfg. Co., 931 S. Front St., Memphis 3, Tenn.
Dean Hill Pump Co., 4000 E. 16th St., Indianapolis 7, Ind.
DeBothezat Fans Div., American Machine & Metals, Inc., East Moline, Ill.
Decatur Pump Co., 87 Elk St., Decatur, Ill.
Deep Rock Oil Corp., 155 N. Clark St., Chicago 90, Ill.
Deer Park Cleaners, 7110 Blue Ash Ave., Cincinnati, Ohio
Defender Instrument & Regulator Co., Boody, Wis.
Dejur Electric Works, 124 Bleecker St., New York 12, N. Y.
De Kalb Commercial Body Corp., Garden St., De Kalb, Ill.
Delan Co., 421 E. Fourth South St., Salt Lake City 2, Utah
De Laval Steam Turbine Co., 853 Nottingham Way, Trenton 2, N. J.
Dello Products Co., 1109-11 First St., Lanett, Ala.
DeLuxe Cleaners & Dyers, 1017 S. Third St., Phoenix, Ariz.
Deming Co., Salem, Ohio
Denney Tag Co., West Chester, Pa.
Dennison Mfg. Co., 300 Howard St., Farmingham, Mass.
Denominator Co., 261 Broadway, New York, N. Y.
Detecto Scales, Inc., 540 Park Ave., Brooklyn 5, N. Y.
Detex Watchclock Corp., 76 Varick St., New York 13, N. Y.
Detroit Belt Lacer Co., 3951 A St., Detroit 16, Mich.
Detrex Chemical Industries, Inc., 14331 Woodrow Wilson Ave., P. O. Box 501, Detroit 32, Mich.
Detroit Stoker Co., General Motors Bldg., Detroit, Mich.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Devoe & Raynolds Co., Inc., 44th St. & First Ave., New York, N. Y.
Dewey-Shepard Boiler Co., 1311 N. Capital Ave., Indianapolis 2, Ind.
DeWitt Glove Co., 24865 Northwestern Highway, Detroit, Mich.
Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
Diamond Chain Co., Inc., 402 Kentucky Ave., Dept. 442, Indianapolis 7, Ind.
Diamond Chemical Co., 720 Clementine St., San Francisco 3, Calif.
Diamond Chemical Co., Inc., 34-02 Laurel Hill Rd., Maspeth 78, N. Y.
Diamond Metal Products Co., 406 Market St., St. Louis 2, Mo.
Diamond T Motor Co., 4401 W. 26th St., Chicago 23, Ill.
Diamond Wire Hanger Co., 252 State St., Clairton, Pa.
Dicalite Dept., Great Lakes Carbon Corp., 612 S. Flower St., Los Angeles 17, Calif.
Dico Co., 200 S. W. 16th St., Des Moines 5, Iowa
Diehl Mfg. Co., Electrical Div. Singer Mfg. Co., 1136 Finderne Ave., Somerville, N. J.
Diem & Wing Paper Co., Gilbert Ave. Viaduct, Cincinnati 2, Ohio
Dillard Paper Co., 524 Ashe St., Greensboro, N. C.
Dipcraft Mfg. Co., 1238 Voskamp St., Pittsburgh 12, Pa.
Ditmas Garment Dyers Corp., 9528-30 Ditmas Ave., Brooklyn 12, N. Y.
Divco Corp., 22000 Hoover Rd., Detroit 5, Mich.
Dixie Hanger Co., Subsidiary United Paper Co., Inc., 1000 Chartes St., New Orleans 16, La.
Dixo Co., 158 Central Ave., Rochelle Park, N. J.
Dixon Boiler Works, 1625 Naud St., Los Angeles, Calif.
Doctor Boiler, Inc., 4307 Main St., Dallas, Texas
Dodge Div., Chrysler Corp., 7900 Jos. Campeau Ave., Detroit 31, Mich.
Dodson, Bruce & Co., 28th & Wyandotte Sts., Kansas City 41, Mo.
Donnell Co., P. O. Box 84, St. Joseph, Mich.
Dover Stamping Co., 80 Federal St., Boston 10, Mass.
Dow Chemical Co., 500 Main St., Midland, Mich.
Draper-Eze Equipment Co., 110-112 E. Sixth St., Erie, Pa.
Dravo Corp., 300 Penn Ave., Pittsburgh 22, Pa.
Dresser Mfg. Div., Dresser Industries, Inc., 41 Fisher Ave., Bradford, Pa.
Drew, E. F., & Co., Inc., 15 E. 26th St., New York 10, N. Y.
Driair Process Machinery Co., Penn & Ruan Sts., Philadelphia 24, Pa.
Drico Industrial Corp., 29 Broadway, New York 6, N. Y.
Dri Flo Mfg. Co., 642 E. Ten Mile Rd., Hazel Park, Mich.
Driseal Co., 251 Causeway St., Boston 14, Mass.
Dublife Collar Co., 268 Fourth Ave., New York 10, N. Y.
Duffen Dye Works, 2213 County St., Portsmouth, Va.
Dunaway, H. D., and Co., 22 16th St., N. W., Atlanta 9, Ga.
Dunham-Bush, Inc., 179 South St., West Hartford, 10, Conn.
Duo-White Co., S. Jefferson Rd., Whippany, N. J.
Du Pont de Nemours, E. I., & Co., Inc., Wilmington 98, Del.
Dura-Lee Corp., 908 Broadway, Kansas City, Mo.
Durant Mfg. Co., 1925 N. Buffum St., Milwaukee 1, Wisc.
Dura-Tech Chemical Mfrs., 126 25th Ave., San Mateo, Calif.
Duro Envelope Co., 24 E. 22nd St., New York 10, N. Y.
Dwyer, F. W., Mfg. Co., 317 S. Western Ave., Chicago 12, Ill.
Dyer Co., The, Box 699, Carrollton, Texas
Dyo Chemical Co., 2200 S. Central Expressway, Dallas, Texas

E

E-Z Packaging Corp., 5101-15 N. Sheridan Rd., Chicago 40, Ill.
Eagle Belting & Leather Co., 1401 Central Parkway, Cincinnati 14, Ohio
Eagle Mfg. Co., 25th & Charles Sts., Wellsburg, W. Va.
Eastern Cyclone Conveyor System, Inc., 876 Van Houten Ave., Clifton, N. J.
Eastern States Petroleum & Chemical Corp., P. O. 8938 Manchester, Houston 12, Texas
Easy Industries, 162 N. Clinton St., Chicago 6, Ill.
Eaton Chemical & Dyestuff Co., 1490 Franklin St., Detroit 7, Mich.
Ebco Mfg. Co., 401 W. Town St., Columbus, Ohio
Edco Process Dry Cleaners, 166 N. Clinton Ave., Rochester 4, N. Y.
Eclipse Fuel Engineering Co., 1100 Buchanan St., Rockford, Ill.
Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
Economy Hanger Machine & Equipment Co., 3670 El Cajon Blvd., San Diego, Calif.
Economy Tablet & Paper Co., 667 W. 14th St., Chicago, Ill.
Econo-Pak Register Co., 1337 E. 27th St., Kansas City 8, Mo.
Edelmuth Mfg. Chemists, 324 Alden Ave., New Haven 15, Conn.
Edmar Chemical Co., 3939 Valley Road, Cleveland 9, Ohio
Edwards, Vincent, & Co., 342 Madison Ave., New York 17, N. Y.
Edward Valves, Inc., Subsidiary Rockwell Mfg. Co., 1200 W. 145th St., East Chicago, Ind.
Egan Cotton Mills, 866 Murphy Ave., S.W., Atlanta 4, Ga.
Egry Register Co., 429 E. Monument Ave., Dayton 2, Ohio
Elcco Div., International Mfg. Co., Inc., P. O. Box 578, Garland, Texas
Electric Auto-Lite Co., Instrument & Gauge Div., Champlain St., Toledo 1, Ohio
Electric City Dyeing Co., 509 Glenn St., Scranton, Pa.
Electric Steam Boiler Sales, Div. Wolf Co., Wolf Ave., Chambersburg, Pa.
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa.
Electro Chemical Engineering Co., Inc., P. O. Box 27, Bremen Station, St. Louis 7, Mo.
Electro Lift, Inc., 30 Church St., New York 7, N. Y.
Electronic Machine Co., 919 S. 5th St., Milwaukee 4, Wis.
Elgin Softener Corp., 150 N. Grove Ave., Elgin, Ill.
Elliott Addressing Machine Co., 143 Albany St., Cambridge 39, Mass.
Elliott Co., Crocker-Wheeler Div., Ampere, N. J.
Elliott, Robert, Press, Inc., 345 Ludlow St., Stamford, Conn.
Ellis & Watts Products, Inc., P. O. Box 33, Cincinnati 36, Ohio
Ellis Drier Co., 2444 N. Crawford Ave., Chicago 39, Ill.
Emery Industries, Inc., Sanitone Div., 4200 Carew Tower, Cincinnati 2, Ohio
Empire Cardboard Corp., S. Main & Maple Sts., Warehouse Point, Conn.
Empire Cleaning & Dyeing Works, 622 Hollenbeck St., Rochester 5, N. Y.
Endriss Chemicals, 940 N Delaware Ave., Philadelphia 23, Pa.
Engineering & Production Specialties, 75 Blanchard St., Jamestown, N. Y.
Epstein's Edco Process Dry Cleaners, 166 N. Clinton Ave., Rochester, N. Y.
Equitable Paper Bag Co., Inc., 45-50 Van Dam St., Long Island City 1, N. Y.
Erie City Iron Works, 1422 East Ave., Erie, Pa.
Ernest, F. P., Mfg. Co., 1112 St. Clair Ave., East St. Louis, Ill.
Essick Mfg. Co., 1950 Santa Fe Ave., Los Angeles 21, Calif.
Eure & Co., Box 221, Edgewater, Md.
Eureka Button Co., 892 Broadway, New York 3, N. Y.

Everett Sales & Equipment Corp., 251 Third Ave., New York 10, N. Y.
Ewing, R., & Sons, Inc., P. O. Box 454, Green Island, N. Y.
Excel Products Co., 533 W. Ninth St., Davenport, Iowa
Excelsior Machinery Co., 6175 Vermont St., Detroit 8, Mich.
Eyre Co., 7606 Carnegie Ave., Cleveland 3, Ohio

F

Fablok Mills, Inc., 46 Cordier St., Irvington, N. J.
Fabricare Chemical Corp., 920-930 E. 43rd St., Chicago 15, Ill.
Fabricon Co., 8342 S. Prairie Ave., Chicago 19, Ill.
Fafnir Bearing Co., Booth St., New Britain, Conn.
Fairbanks Co., 393 Lafayette St., New York 3, N. Y.
Fairbanks Morse & Co., Fairbanks Morse Bldg., 600 S. Michigan Ave., Chicago 5, Ill.
Fairfield Laboratories, Plainfield, N. J.
Fastik Co., 1106 W. Erie St., Chicago 22, Ill.
Fawr, Inc., 1183 Jefferson Ave., Buffalo, N. Y.
Federal Motor Truck Co., 5780 Federal Ave., Detroit, Mich.
Fielden Instrument Corp., 2920 N. Fourth St., Philadelphia, Pa.
Filtrol Corp., 3250 East Washington Blvd., Los Angeles 23, Calif.
Firefly Asbestos Products Co., 175 Bergen St., Newark 3, N. J.
Fischer & Porter Co., Hatboro, Pa.
Fisher Dye Works, 1813 Emmanuel St., Houston, Texas
Fisher, Henry, Replacement Service, P. O. Box 8082, Memphis 4, Tenn.
Fiske Bros. Refining Co., Lubriplate Div., 129 Lockwood St., Newark 5, N. J.
Flash Fast Marker Co., 994 Dover Ave., Akron 20, Ohio
Fleetwood-Airflow Div., E. L. Chrisman Co., 8255 Compton Ave., Los Angeles 1, Calif.
Fleischer Mills, Inc., 316 E. Fifth St., Cincinnati 2, Ohio
Fletcher Works, Inc., Glenwood Ave. & Second St., Philadelphia 40, Pa.
Flexible Steel Lacing Co., 4607 Lexington St., Chicago 44, Ill.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill.
Flintkote Co., 30 Rockefeller Plaza, New York 20, N. Y.
Flow-Master Machine Corp., 634 Dean St., Brooklyn 38, N. Y.
Flynn & Emrich Co., 301 Holliday St., Baltimore 2, Md.
Foam Craft Products Co., 1164 S. Main St., Akron 19, Ohio
Ford, Luther, & Co., 100 N. Seventh St., Minneapolis 3, Minn.
Ford Div., Ford Motor Co., P. O. Box 658, Dearborn, Mich.
Ford Tank Maintenance Co., Inc., 715 E. 136th St., New York 54, N. Y.
Formula Controls, Inc., 612 W. 26th St., Chicago 16, Ill.
Forse Corp., 1500 W. Second St., Anderson, Ind.
Foster-Stephens, Inc., 310 S. Christiana Ave., Chicago 24, Ill.
Foxboro Co., 38 Neponset Ave., Foxboro, Mass.
Franklin Mfg. Co., 2615 E. Franklin Ave., Minneapolis 6, Minn.
Franklin Research Co., 5134 Lancaster Ave., Philadelphia 31, Pa.
Fre-Bir-Pac., Inc., 876 Van Houten Ave., Clifton, N. J.
Fremont Rubber Co., 317 McPherson Highway, Fremont, Ohio
French Textile Co., 432 Ave. A, Rochester, N. Y.
French Unique Suede Cleaners, 7611 Melrose, Los Angeles, Calif.
Freund, Freund & Co., Inc., 102 Franklin St., New York 13, N. Y.
Freydberg Bros.-Strauss, Inc., 419 Fourth Ave., New York 16, N. Y.
Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton 1, Ohio
Frontier Chemical Co., Div. Vulcan Material Co., Municipal Airport, Wichita, Kans.
Fry Bros. Co., 3600 Cardiff Ave., Cincinnati 9, Ohio
Frye, E. B., & Son, Wilton, N. H.
Fulton Boiler Works, Inc., Port & Jefferson St., Pulaski, N. Y.
Fumol Corp., 49-65 Van Dam St., Long Island City 1, N. Y.
Fur Feel Corp., 231 Eagle St., Brooklyn 22, N. Y.

G

G & G Chemical Co., 704 W. Broadway, Hopewell, Va.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich.
Gabriel Boiler & Fabrication Co., 1428 N.W. 14th Ave., Portland 9, Ore.
Gardner-Denver Co., Gardner Dr., Quincy, Ill.
Gardner Machinery Corp., N. Andrill Terrace & Seaboard Railway, Charlotte 1, N. C.
Garment Finishing Equipment Corp., 18 Brattle St., Cambridge 38, Mass.
Garment Hanger Co., 2624 Geraldine St., Los Angeles 11, Calif.
Gasway Corp., 6463 N. Ravenswood Ave., Chicago 26, Ill.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Gaylord Container, Div. Crown Zellerbach Corp., 111 N. Fourth St., St. Louis 2, Mo.
General Aniline & Film Corp., Special Products Sales Div., 444 Madison Ave., New York 22, N. Y.
General Boiler Equipment Corp., 2651-53 Gravois St., St. Louis 18, Mo.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
General Clarifier Corp., 103 Park Ave., New York 17, N. Y.
General Clarifier Corp., 841 E. 43rd St., Brooklyn 10, N. Y.
General Cleaners Products Co., 410 N. Kedzie Ave., Chicago 12, Ill.
General Control Co., 1200 Soldiers Field Rd., Boston 34, Mass.
General Detroit Corp., 2272 E. Jefferson St., Detroit 7, Mich.
General Dyeing Co., 818 Dorman St., Indianapolis 2, Ind.
General Dyestuff Corp., 435 Hudson St., New York 14, N. Y.
General Electric Co., 1 River Rd., Schenectady 5, N. Y.
General Electric Co., Air Conditioning Dept., 5 Lawrence St., Bloomfield, N. J.
General Electric Co., Lamp Dept., Nela Park, Cleveland, Ohio
General Equipment Co., Highway 14 East, Owatonna, Minn.
General Luminiscent Corp., 732 S. Federal St., Chicago 5, Ill.
General Metals, Inc., 858 Goldsboro St., Greensboro, N. C.
General Motors Corp., General Motors Bldg., Detroit 2, Mich.
General Pacific Corp., 1501 E. Washington Blvd., Los Angeles 21, Calif.
General Scientific Equipment Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
Gerber Mfg. Co., 1602 W. Sixth St., Mishawaka, Ind.
Germaclean, Inc., 431 Niagara St., Buffalo 1, N. Y.
Germain's Inc., Twist-Ems Div., Los Angeles 21, Calif.
Giant Wash, Inc., 903 E. Douglas, Wichita 2, Kansas
Gibraltar Fabrics, Inc., 254 36th St., Brooklyn 32, New York
Gibraltar Products Co., 945 Atlantic Ave., Brooklyn 38, N. Y.
Gifford, H. M., Mfg. Co., 2732 B St., Philadelphia 34, Pa.
Gilcor Mfg. Co., Inc., 3 E. Palisade Ave., Englewood, N. J.
Glamorene, Inc., 10 E. 44th St., New York 17, N. Y.
Glenzip Co., 1426 W. 3rd St., Cleveland 13, Ohio
Glidden Co., 11001 Madison Ave., Cleveland 2, Ohio
Gliss'n Products Co., Inc., 11131 Michigan Ave., Chicago 28, Ill.
Globe Ticket Co. of New England, 620 Commonwealth Ave., Boston 15, Mass.
Globe Weaving Co., 17 N. State St., Chicago, Ill.
Glove Cleaning Service, 2132 W. 15th St., Cleveland, Ohio
Glover, Bill, Inc., 5204 Truman Rd., Kansas City 27, Mo.
Golden-Anderson Valve Specialty Co., 1232 Ridge Ave., Pittsburgh 33, Pa.
Goldman Mfg. Co., 13697 Elmira, Detroit 27, Mich.
Goldman Pressing Machine Corp., 400 W. Broadway, New York 12, N. Y
Goodrich, B. F., Co., 500 S. Main St., Akron 18, Ohio
Goodyear Tire & Rubber Co., Akron, Ohio
Gorton Heating Corp., Cranford, N. J.
Goulds Pumps, Inc., 300 Fall St., Seneca Falls, N. Y.
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass.
Graver Tank & Mfg. Co., Inc., 4809 Tod Ave., East Chicago, Ind.
Graves & Marshall Co., 720 E. Monument Ave., Dayton 2, Ohio
Great Eastern Paper Converters, Inc., 38-60 Review Ave., Long Island City 1, N. Y.
Greaves Machine Tool Co., 2001-17 Eastern Ave., Cincinnati 2, Ohio
Green, A. P., Fire Brick Co., Mexico, Mo.
Greenville Chemical Co., E. Stone & Bennett, P. O. Box 1087, Greenville, S. C.
Greif Bros. Cooperage Corp., Wire Garment Hanger Div., Pennsylvania Ave., Delaware, Ohio
Grimes Co., 2900 Main St., Dallas 1, Texas
Gronauer, M. H., Co., 11 Nettleton, Memphis 2, Tenn.
Gross Machinery Co., Inc., 742 Hertel Ave., Buffalo 16, N. Y.
Gulf Oil Corp.-Gulf Refining Co., 3800 Gulf Bldg., Pittsburgh 30, Pa.
Gummed Tape & Devices Co., 1069 Rogers Ave., Brooklyn, N. Y.
Gustin-Kramer Co., 74-80 Cummington St., Boston 15, Mass.
Guth, Edwin F., Co., 2615 Washington Ave., St. Louis 3, Mo.

H

H. & A. Sizing Co., 323 N. Loomis, Chicago 7, Ill.
Hachik Bleach Co., Wynnfield Ave., Philadelphia 31, Pa.
Haertel, Walter, Co., 2840 Fourth Ave., S., Minneapolis 8, Minn.
Hagan Corp., 323 Fourth Ave., Pittsburgh 22, Pa.
Hall, Amos H., & Sons, 5500 N. Water St., Philadelphia 20, Pa.
Hall Mfg. Co., Brookline, N. H.
Hamilton Caster & Mfg. Co., 1637 Dixie Highway, Hamilton, Ohio
Hamilton Copper & Brass Works, 820 State Ave., Cincinnati 4, Ohio
Hammel-Dahl Co., 247 Richmond St., Providence 3, R. I.
Hammond Laundry-Cleaning Machinery Co., 220 S. 2nd St., P. O. Box 1160, Waco, Texas
Handy Button Machine Co., 2255 S. Rockwell St., Chicago 8, Ill.
Handy Specialties, 9159 W. Pico Blvd., Los Angeles 35, Calif.
Hanscom, H. F., & Co., 38 Hospital St., Providence 3, R. I.
Hapman-Dutton Co., 630 Gibson St., Kalamazoo 6, Mich.
Harloff Mfg. & Supply Co., P. O. Box 4175, Knob Hill St., Colorado Springs, Colo.
Harris Bros. Mfg. Co., Inc., 20-22 Grotan Ave., Cortland, N. Y.
Harrison, Robert D., Inc., 566 E. Warren Ave., Detroit 2, Mich.
Hauser-Stander Tank Co., 4838 Spring Grove Ave., Cincinnati 32, Ohio
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
Hays Corp., 742 E. Eighth St., Michigan City, Ind.
Healy-Ruff Co., 2255 University Ave., St. Paul 4, Minn.
Heinemann Electric Co., Pennsylvania Ave. & Plum St., Trenton 2, N. J.
Heller, B., & Co., 3925 Calumet Ave., Chicago 15, Ill.
Hemingway & Bartlett Mfg. Co., 500 Fifth Ave., New York 35, N. Y.
Henrici, Fritz, Inc., Milton 87, Mass.
Henrici Laundry Machinery Co., 11 Henrici St., Mattapan P. O., Boston 26, Mass.
Henry Hanger Co. of America, 450 Seventh Ave., New York 1, N. Y.
Heppting's Suede & Leather Cleaning, 3469 W. Fourth Ave., Denver, Colo.
Hercules Laundry Machinery Co., Inc., 132-36 W. 124th St., New York 27, N. Y.
Hercules Powder Co., Inc., 952 King St., Wilmington 99, Del.
Herman Body Co., 4400 Clayton Ave., St. Louis 10, Mo.
Hettrick Mfg. Co., 1401 Summit St., Toledo 12, Ohio
High Chemical Co., Chemical Specialties Div., 1760 N. Howard St., Philadelphia 22, Pa.
Hild Floor Machine Co., Inc., 1217 W. Washington Blvd., Chicago 7, Ill.
Hinz Needle Co., 10018 S. Rhodes Ave., Chicago 26, Ill.
hi-Tone Soap Co., Randolph, Neb.
Hobade Associates, 22 Kirkpatrick St., New Brunswick, N. J.
Hodge, Farwell & Co., Peoria, Ill.
Hodges, Jack, Specialty Co., 1529 Westheimer Rd., Houston 6, Texas
Hoffman, U. S. Machinery Corp., 105 Fourth Ave., New York 3, N. Y.
Hollingsworth & Vose Co., 112 Washington St., East Walpole, Mass.
Holt Mfg. Co., 651-81 20th St., Oakland 12, Cal.
Hood Chemical Co., Inc., 80 Rittenhouse Pl., Ardmore, Pa.
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill.
Hooker Electrochemical Co., Niagara Falls, N. Y.
Hooper, Wm. E., & Sons, Woodberry, Baltimore, Md.
Hope Chemical Corp., 545 Mineral Springs Ave., Pawtucket, R. I.
Hope Webbing Co., Providence 1, R. I.
Hopkins Equipment Co., 100 Maple Ave., Hatfield, Pa.
Horn, A. C., Co., Inc., 10th St. & 44th Ave., Long Island City 1, N. Y.
Horwath Laundry Machine Mfg. Co., 1002 S. 13th St., Omaha, Neb.
House of Plastics Div. Neon Sign Co., Inc., N. 14th at Taylor, Herrin, Ill.
Howe Scale Co., Rutland, Vt.
Hoyt Mfg. Corp., Forge Rd., Westport, Mass.
Hub Printing Services, 320 N. Euclid Ave., Oak Park, Ill.
Hubinger Co., 601 Main St., Keokuk, Iowa

Hudson Fur Cleaning Co., 106 Cranston St., Providence, R. I.
Huebsch Originators, 3775 N. Holton St., Milwaukee 1, Wisc.
Hughes Co., 10 East 39th St., New York 16, N. Y.
Hummel Chemical Co., 90 West St., New York 6, N. Y.
Hungerford & Terry, Inc., 226 Atlantic Ave., Clayton, N. J.
Huntington Laboratories, Inc., 970 E. Tipton St., Huntington, Ind.
Huron Milling Div., Hercules Powder Co., Delaware Trust Bldg., Wilmington 99, Del.
Hutchinson Products Co., The, 331 Negley Ave., Butler, Pa.
Hydraxtor Co., 3500 Touhy Ave., Chicago 45, Ill.
Hygrade Button & Supply Co., 19 W. 34th St., New York 1, N. Y.

I

Ideal Cleaners, 226 E. Pike's Peak Ave., Colorado Springs, Colo.
Ideal Industries, Inc., Park Ave., Sycamore, Ill.
Ideal Lighting Co., 2219 63rd St., Kenosha, Wisc.
Ideal Stencil Machine Co., 102 Iowa Ave., Belleville, Ill.
Identification, Inc., 512 S. Peoria St., Chicago 7, Ill.
Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
Illinois Laundry Machinery Mfg. Co., 3128 W. Lake St., Chicago, Ill.
Imperial Dye House, 3421 Tulane Ave., New Orleans 19, La.
Indiana Dye House, 122-126 State St., Hammond, Ind.
Indiana Mfg. Co., 1900 E. Main St., New Albany, Ind.
Industrial Equipment Co., 361 N. Ada St., Chicago 1, Ill.
Industrial Grain Products, Ltd., 741 Talbot St., London, Ont., Can.
Industrial Products Co., 2654 N. Fourth St., Philadelphia 33, Pa.
Infilco, Inc., P. O. Box 5033, Tuscon, Ariz.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Ink-O Products Co., 5101 Monte Vista St., Los Angeles 42, Calif.
Innis, Speiden & Co., 117 Liberty St., New York 6, N. Y.
Intercontinental Mfg. Co., Inc., P. O. Box 578, Garland, Texas
International Boiler Works Co., 500 Birch St., East Stroudsburgh, Pa.
International Engineering, Inc., 1145 Bolander Ave., Dayton 1, Ohio
International Harvester Co., Motor Truck Div., 180 N. Michigan Ave., Chicago 1, Ill.
International Metal Polish Co., 1910 Quill St., Indianapolis 7, Ind.
International Nickel Co., Inc., 67 Wall St., New York 5, N. Y.
International Paper Co., Southern Kraft Div., 220 E. 42nd St., New York 17, N. Y.
International Register Co., 2620 W. Washington Blvd., Chicago 11, Ill.
International Salt Co., Scranton 2, Pa.
International Steel Wool Corp., 2205 Park Rd., Springfield, Ohio
International Tag & Salesbook Co., 3450 W. Division St., Chicago 51, Ill.
International Ticket Co., 50 Grafton Ave., Newark 4, N. J.
International Wire Hanger Mfg. Co., 2128 W. Lake St., Chicago 12, Ill.
Invincible Vacuum Cleaner Mfg. Co., 14th & Davis Sts., Dover, Ohio
Inweaving Co. of America, 1505 11th St., Wichita Falls, Texas
Ions Exchange & Chemical Corp., 40-50 Leonard St., New York 13, N. Y.
Iowa Soap Co., 816 Valley St., Burlington, Iowa
Iron Fireman Mfg. Co., 3170 W. 106th St., Cleveland 11, Ohio
Iselin-Jefferson Co., Inc., 90 Worth St., New York 13, N. Y.

J

Jacobson, Lawrence, Dye Works, Inc., Oxford Ave., Summerdale & Comly Sts., Philadelphia 24, Pa.
Jackson, Samuel, Mfg. Co., 2518 Erskine St., P. O. Box 5007, Lubbock, Texas
Jay-Dee, Inc., Mfg. Chemists, 946 Kenmore Blvd., Akron 14, Ohio
Jayson's, Div. Jayson Silk Mills, 5428 Wyalusing Ave., Philadelphia 31, Pa.
Jefferson Island Salt Co., Inc., Jefferson Island Bldg., 136 St. Matthews Ave., Louisville 7, Ky.
J-G Chemists, 4368 Delmar, St. Louis 8, Mo.
Jensen Mfg. Co., Broad St., & Hylton Rd., Palmyra, N. J.
Johns-Manville, 22 E. 40th St., New York 16, N. Y.
Johnson Chemical Industries, Inc., 99 Mellor Ave., Baltimore 28, Md.
Johnson Corp., 855 Wood St., Three Rivers, Mich.
Johnson Metal Hose, Inc., 10 Sperry, Waterbury 20, Conn.
Johnson, S. C., & Son, Inc., Racine, Wisc.
Johnson, W. P., Products Co., 309 Joliet Ave., San Antonio 9, Texas
Johnson Bros., Inc., 100 Pine St., Ferrysburgh 1, Mich.
Johnson & Jennings Co., Div. Pettibone-Mulliken Corp., 6917 Bessemer Ave., Cleveland 27, Ohio
Jomac Inc., 6128 N. Woodstock St., Philadelphia 38, Pa.
Jordan Corp., 6013 Wiehe Rd., Cincinnati 13, Ohio
Juno Cleaner Supplies, Inc., 632 Wythe Ave., Brooklyn 11, N. Y.

K

K & K, Inc., 16 Sutton St., Lawrence, Mass.
Kaleen Chemical Corp., 241 Church St., New York 11, N. Y.
Kandu Chemicals, Inc., 312 7th Ave., New York 1, N. Y.
Kato Engineering Co., 1415 First Ave., Mankato, Minn.
Kaycrest Products, 1426 W. 3rd St., Cleveland 13, Ohio
Kaye & MacDonald, Inc., 11-15 Central Ave., West Orange, N. J.
Keckly, O. C., Co., 400 W. Madison St., Chicago 6, Ill.
Keeler, E., Co., 238 West St., Williamsport 3, Pa.
Keever Starch Co., 538 E. Town St., Columbus 15, Ohio
Kee Zipper Corp., 541 W. 34th St., New York 1, N. Y.
Kelco Engineering, Ltd., Thames St., London, Ont., Can.
Kelley Corp., The, 500 S. Cedar St., P. O. Box 381, Charlotte, N. C.
Kelmaker Mfg. Co., 311 Sixth Ave., Rochelle, Ill.
Kelvinator Div., Nash-Kelvinator Corp., 14250 Plymouth Rd., Detroit, Mich.
Kenco Chemical Co., Inc., P. O. Box 912, Schenectady 1, N. Y.
Kenite Corp., Harwood Bldg., Scarsdale, N. Y.
Kennedy Car Liner & Bag Co., Inc., Hodell & Prospect Sts., Shelbyville, Ind.
Kennedy Products Co., 4315 Schenck Ave., P. O. Box 2, Cincinnati 36, Ohio
Kenney Softener & Filter Co., 3322-24 Montrose Ave., Chicago 45, Ill.
Kent Co., Inc., 244 Canal St., Rome, N. Y.
Kentucky Box & Truck Co., Fourth & Alvasia Sts., (P. O. Box 463), Henderson, Ky.
Kewanee Boiler Corp., Franklin St. & Q Tracks, Kewanee, Ill.
Keyes-Davis Co., 74 14th St., Battle Creek, Mich.
Keystone Aniline & Chemical Co., 321 N. Loomis St. (1400 W.), Chicago 7, Ill.
Keystone Chemical Co., 2019 Center St., N. W., Cleveland 13, Ohio
Keystone Coat & Apron Mfg. Corp. & Keystone Scent Conditioner Corp., 315 N. 12th St., Philadelphia 7, Pa.
Keystone Laundry Machinery Co., 411 N. Paulina, Chicago 22, Ill.
Keystone Paper Box Co., S. Main & Maple Sts., Warehouse Point, Conn.
Keystone Tag Co., West Chester, Pa.
Key-Tag Checking System Co., 6509 Hough Ave., Cleveland 3, Ohio
Kidde, Walter, & Co., Inc., 675 Main St., Belleville 9, N. J.
Kirk & Blum Mfg. Co., 3120 Forrer St., (Oakley), Cincinnati 9, Ohio
Kirkpatrick Specialties Co., 1731 W. Fulton, Chicago, Ill.
Kirkpatrick Specialties Co., 7320 Melrose Ave., Los Angeles, Calif.
Kirk's Suede & Leather Cleaners, 1731 W. Fulton St., Chicago 12, Ill.
Kisco Boiler & Engineering Co., 2414 De Kalb St., St. Louis 4, Mo.
Kleanmore Laboratories, Inc., 1926 N. Franklin Ave., Flint, Mich.
Kleentest Laboratories, 940-950 Ohio River Blvd., Pittsburgh 2, Pa.
Kletnick, L., & Co., 8342 S. Praire Ave., Chicago 19, Ill.
Kliegman Bros., Inc., 76-01 77th Ave., Glendale, Brooklyn 27, N. Y.
Kling "100" Corp., 2842 N. Birch, Franklin Park, Ill.
Klipfel Mfg. Co., 1000 Weller Ave., Hamilton, Ohio
Knight, Maurice A., Settlement, Akron 6, Ohio
Knitted Padding Co., 105 Chapman St., Canton, Mass.
Kohnstamm, H., & Co., Inc., 161 Avenue of the Americas, New York 13, N. Y.
Kol Master Corp., P. O. Box 111, Oregon 1, Ill.
Kordite Co., Div. Textron Inc., Main St., Macedon, N. Y.
Korff Advertising, Norris Bldg., Grand Rapids 2, Mich.
Kran-Mer Corp., 2433-35 N. Third St., Milwaukee 12, Wisc.
Krasan Products, Inc., 1230 Edward St., P. O. Box 1166, Richmond 1, Calif.
Kresky Mfg. Co., Inc., 307 Third St., Petaluma, Calif.
Krevit, H., & Co., Inc., 11 Albert St., New Haven 11, Conn.
Kunkle Valve Co., 119 S. Clinton St., Fort Wayne 2, Ind.
Kwik-Kover Mfg. Co., 410 N. Kedzie Ave., Chicago 12, Ill.

L

Laclede Stoker Co., 4438 Hunt Ave., St. Louis 10, Mo.
La France Dye House, 7606-22 Carnegie Ave., Cleveland 3, Ohio
Laidlaw, W. A., Wire Co., Peoria, Ill.
Lakewood Mfg. Co., 25039 Center Ridge Rd., Westlake, Ohio
Lally, R., Co., 1729 Greenleaf Ave., Chicago 26, Ill.
Lambooy Label & Wrapper Co., 2129 Portage St., Kalamazoo 29F, Mich.
Lamson Corp., Lamson St., Syracuse 1, N. Y.
Lane, W. T., & Bros., Inc., Prospect St., Poughkeepsie, N. Y.
Lanning Bag & Specialty Co., 205 Front St., Harvard, Ill.
Lano Lustre Suede & Leather Co., 1731 Fulton, Chicago 12, Ill.
Larick Mfg. Co., 287 Broadway, New York, N. Y.
Larton Co., 4234 Third Ave., New York 57, N. Y.
Lathem Time Recorder Co., 76 Third St., N. W., Atlanta 8, Ga.
Lattner, P. M., Mfg. Co., P. O. Box 1710, Cedar Rapids, Iowa
Laundry Chemicals Co., 4538 W. 130th St., Cleveland 11, Ohio
Laundry Equipment and Engineering Co., 1616 N. Hermitage Ave., Chicago 22, Ill.
Laundry Machinery Div., Jefferson Wood Working Co., 14th & Hill Sts., Louisville, Ky.
Laundry Specialties Co., 600 Reading Rd., Cincinnati 2, Ohio
Layne & Bowler, Inc., Box 6697, Hollywood Station, Memphis 8, Tenn.
Leader Iron Works, 2126 N. Jasper, Decatur, Ill.
Le Ann Furs, 334 Collinsville Ave., East St. Louis, Ill.
Leathers', L. M., Sons, 675 Pulaski St., Athens, Ga.
Leebaw Mfg. Co., 65 Wayne Ave., Youngstown 2, Ohio
Lee Converters, Inc., 28 W. 23rd St., New York 10, N. Y.
Leef Bros., Inc., 205 Irving Ave., N. Minneapolis 5, Minn.
Le Fevre Chemical Co., 1639 W. Main St., Oklahoma City, Okla.
Leffel, James, & Co., 426 East St., Springfield, Ohio
Leprechaun, Inc., 475 Fifth Ave., New York 17, N. Y.
Le Roi Div., Westinghouse Air Brake Co., Milwaukee 1, Wisc.
Leslie Co., 297 Grant Ave., Lyndhurst, N. J.
Lestoil Inc., Subs. Adell Chemical Co., 51 Garfield St., Holyoke, Mass.
Lever Bros. Co., 390 Park Ave., New York 22, N. Y.
Lewis, G. B., Co., 926 Montgomery St., Watertown, Wisc.
Lewis Invisible Stitch Machine Co., 129 W. 22nd St., New York, N. Y.
Lewis National Corp., 1 Mt. Vernon St., Dorchester 25, Mass.
Lewis-Shepard Products, Inc., 307 Walnut St., Watertown 72, Mass.
Liberty Marking Tag Co., Inc., 27 Hooper St., Brooklyn 11, N. Y.
Lieberman, B. & G., Co., Inc., 1011 Sewickley Drive, Charlotte 3, N. C.
Lilly, David, Box 167, Long Beach 1, Cal.
Lincoln Bag Co., Inc., 4200 W. Schubert Ave., Chicago 39, Ill.
Lincoln-Hudson Rug Dyers, Inc., 900 Passaic Ave., East Newark, N. J.
Lincoln Research, Inc., 3250 Montrose St., Toledo 6, Ohio
Lincoln Rug Co., Inc., 85 Springdale Ave., Newark, N. J.
Lincoln-Schluetter Floor Machinery Co., Inc., 512 S. Peoria St., Chicago, Ill.
Lindy Sales Co., 9601 W. Jefferson Blvd., Culver City, Calif.
Linen Suppliers Advertising Corp., 175 Fifth Ave., New York 10, N. Y.
Link-Belt Co., 307 N. Michigan Ave., Chicago 1, Ill.
Linn Coach & Truck Div., Great American Industries, Inc., 443 Chestnut St., Oneonta, N. Y.
Lion Uniform Co., 209 S. Jefferson, Dayton 2, Ohio

Little Frenchman's Dye Works, 921 N. 25th St., Waco, Texas
Livingstone Engineering Co., 100 Grove St., Worcester 5, Mass
Loebl Dye Works, Inc., 346-48 W. Salem Ave., Roanoke, Va.
Lookout Boiler & Mfg. Co., Manufacturers Rd., Chattanooga 1, Tenn.
Loroco Industries, Inc., 203 E. Benson St., Reading 15, Ohio
Los Angeles Soap Co., 617 E. First St., Los Angeles, Calif.
Louden Machinery Co., 1402 Broadway, Fairfield, Iowa
Loyal Textile Machinery Corp., 280 Scholes St., Brooklyn, N. Y.
Lubbock Machine Co., Inc., Box 1138, Lubbock, Texas
Lucas, Claude E., Associates, 880 E. Colorado, Pasadena, Calif.
Lucas Products Corp., 3839 Seiss Ave., Toledo 12, Ohio
Ludell Mfg. Co., 5200 W. State St., Milwaukee 8, Wisc.
Luecke Drapery Pleating Machine Co., 4831 N. Western Ave., Chicago 25, Ill.
Lunkenheimer Co., P. O. Box 360, HH, Cincinnati 14, Ohio
Luse, Wm. K., & Co., Lakeview, Ohio
Lustrol Drycleaning Products Co., 1600 16th St., San Francisco 1, Calif.
Lynch, John J., Co., 4702 E. 50th St., Los Angeles 58, Calif.

Mc

McBee Co., 295 Madison Ave., New York, N. Y.
McCleary Brothers, Inc., 147 Auction St., Memphis, Tenn.
McDonnell & Miller, Inc., 3500 N. Spaulding Ave., Chicago 18, Ill.
McElmoyl, W. J., Co., 63 Church St., Groveville, N. J.
McLay, Walter J., 1105 N. Water St., Milwaukee 2, Wisc.

M

M & B Metal Products Co., 4415 Morris Ave., Birmingham, Ala.
M-H Standard Co., 518 Communipaw Ave., Jersey City 4, N. J.
M & M Chemical Co., 1559 W. Main St., Willimantic, Conn.
Maas, A. R., Chemical Co., Div. Victor Chemical Works, 4570 Ardine St., South Gate, Calif.
MacCarl Co., Inc., 4342 Pearl Rd., Cleveland 9, Ohio
MacDonald Services, 8519 Germantown Ave., Philadelphia 18, Pa.
Mack Trucks, Inc., 350 Fifth Ave., New York 1, N. Y.
Mackler, B., & Sons, 155 W. 27th St., New York 1, N. Y.
Madison Products Co., 105 16th St., Toledo 2, Ohio
Mafs Corp., 50-07 Van Dam St., Long Island City, N. Y.
Magic Plastic Co., Ltd., 310 W. 93rd St., New York, N. Y.
Magic Re-Weaving Service, 28 W. Second St., Salt Lake City, Utah
Magic-Seal Paper Products, P. O. Box 1766, Denver 1, Colo.
Magic Textile Weavers, 948 W. McNichols Rd., Detroit 3, Mich.
Magline, Inc., Penconning, Mich.
Majestic Paper & Twine Co., Inc., (Laundry & Drycleaning Supply Div.), 155 Imlay St., Brooklyn 31, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Mallinckrodt Chemical Works, Second & Mallinckrodt Sts., St. Louis 7, Mo.
Manitowoc Cotton Goods Mfg. Co., 909 York St., Manitowoc, Wisc.
Manitowoc Engineering Corp., South 16th St., Manitowoc, Wisc.
Marclene Chemical Corp., 225 Warwick Ave., Buffalo 13, N. Y.
Marion Machine Foundry & Supply Corp., 90 West St., New York, N. Y.
Marion Mfg. Co., Inc., P. O. Box 162, Station A, Atlanta, Ga.
Market Industries, Inc., 1900 16th St., San Francisco 1, Calif.
Mark-O Corp., 17 W. 60th St., New York 23, N. Y.
Mark-Tex Corp., 453 W. 17th St., New York 11, N. Y.
Marlow Pumps, Div. Bell & Gossett Co., Box 200, Midland Park, N. J.
Mar-Mak Machinery Mfg. Co., 626 N. Logan Ave., Danville, Ill.
Marmon-Herrington Co., Inc., 1511 W. Washington St., Indianapolis 7, Ind.
Marsh, Jas. P., Corp., 2073 Southport Ave., Chicago 14, Ill.
Marshall Co., 4350 N. Pulaski Rd., Chicago 41, Ill.
Marshall Heater Co., 716-26 E. Monument Ave., Dayton 2, Ohio
Martens Chemical Corp., 243 Clinton Ave., Kingston, N. Y.
Martin Equipment Co., Div. American Laundry Machinery Co., 5000 Section Ave., Cincinnati 12, Ohio
Martin Fan & Blower Co., 4632 W. 21st Pl., Chicago 50, Ill.
Martin, Reba, Inc., 4201 N. W. Second Ave., Miami 37, Fla.
Marvel Mfg. Co., 113 Live Oak St., San Antonio 5, Texas
Marvella Corp., 2019 Center St., N. W., Cleveland 13, Ohio
Maryln Chemical Co., Inc., P. O. Box 407, Lakeview, Ohio
Mason-Neilan Regulator Co., 1190 Adams St., Boston 24, Mass.
Master Builders Co., 7016 Euclid Ave., Cleveland 3, Ohio
Master-Bilt Refrigeration Mfg. Co., 920 Palm St., St. Louis 7, Mo.
Master, Geo., Div., Ligonier, Ind.
Master Machinery Co., Anderson, Ind.
Master Mfg. Corp., 119 Main St., Sioux City, Iowa
Master Mfg. & Equipment Co., 3000 St. Louis, Fort Worth 1, Texas
Master Products Co., 7000 S. Wentworth Ave., Chicago 21, Ill.
Maxant Button & Supply Co., 117 S. Morgan St., Chicago 7, Ill.
Maytag Co., Newton, Iowa
Mazzolla Spiroll Sales Corp., 2464 Raleigh Dr., York, Pa.
Mead, George E., Co., 11240 S. Arroyo Dr., Whittier, Calif.
Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co., P. O. Box 223, Bridgeport, Pa.
Medalie Mfg. Co., 213 First Ave., N., Minneapolis 1, Minn.
Meese, Inc., 108 St. Michaels Ave., Madison, Ind.
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich.
Mehl Mfg. Co., 2057 Reading Pl., Cincinnati 2, Ohio
Melody Cleaners, 500 W. Grand, Oklahoma City, Okla.
Melrose Packaging Corp., 61-48 Fresh Meadow Lane, Flushing 65, N. Y.
Memphis Hanger Co., 14th & P. & L. E. R. R., Monaca, Pa.
Menasha Wood Split Pulley Co., 674 Tayco St., Menasha, Wisc.
Mendex Corp., 2300 Payne Ave., Cleveland 14, Ohio
Mercury Cleaning Systems, Inc., 1817 Benson Ave., Evanston, Ill.
Merson Products Co., 63 Essex St., Jersey City 2, N. J.
Metalweld, Inc., 24th & Hunting Park Aves., Philadelphia 29, Pa.
Metropolitan Body Co., 151 Kossuth St., Bridgeport 8, Conn.
Mexico Refractories Co., Love & Cole Sts., Mexico, Mo.
Meyercord Co., 5323 W. Lake St., Chicago 44, Ill.
Middlesex Paper Tube Co., Inc., 345 Chelmsford St., Lowell, Mass.
Midland Color & Chemical Co., 15 Greene St., Jersey City 2, N. J.
Midland Paint & Varnish Co., 3828 E. 91st St., Cleveland 5, Ohio
Midwest Hanger Co., 2100 Guinotte Ave., Kansas City 20, Mo.
Midwest Machinery Co., Box 709, El Reno, Okla.
Miller Laundry Machinery Co., 8341 Lyndon Ave., Detroit 21, Mich.
Milwaukee Leather Belting Co., 1114 N. Water St., Milwaukee 2, Wisc.
Milwaukee Printed String Co., 2604 W. Fond du Lac Ave., Milwaukee 6, Wisc.
Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
Minnesota Chemical Co., 2285 Hampden Ave., St. Paul 4, Minn.
Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 10, Minn.
Mitchell, J. B., Co., 4916-28 W. Jefferson Blvd., Los Angeles 18, Calif.
Modine Mfg. Co., 1557 De Koven Ave., Racine, Wisc.
Mohawk Rubber Co., 1235 Second Ave., Akron 5, Ohio
Monarch Engineering Co., 500 Linden Ave., Dayton 3, Ohio
Monite Co., Inc., Sedalia, Mo.
Monix Co., 277 Greenbay Rd., Wilmette, Ill.
Monroe Calculating Machine Co., Inc., 555 Mitchell St., Orange, N. J.
Monroe Co., Inc., 10703 Quebec Ave., Cleveland 6, Ohio
Montpelier Mfg. Co., Montpelier, Ohio
Moore Business Forms, Inc., 900 Buffalo Ave., Niagara Falls, N. Y.
Moore Co., 800 S. Missouri Ave., Marceline, Mo.
Moore's Time-Saving Equipment, Inc., 1934 Sterling Ave., Elkhart, Ind.
Morehead Mfg. Co., 2455 W. Warren Ave., Detroit 8, Mich.
Morey Seldin Machinery Corp., 5999 E. 56th, Indianapolis, Ind.
Morheat Corp., 700 E. Kalamazoo St., Lansing 12, Mich.
Morse Display Cases, 627 11th St., Wilmette, Ill.
Morse Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
Moser Bag & Paper Co., 3049 E. 55th St., Cleveland 27, Ohio
Mount Vernon Mills, Inc., 40 Worth St., New York, N. Y.
Mulholland-Harper Co., 5820 Tacony St., Philadelphia 24, Pa.
Multi-Clean Products, Inc., 2277 Ford Parkway, St. Paul 16, Minn.
Multi-Counter Mfg. Co., 401 Broadway, New York 13, N. Y.
Murray, D. J., Mfg. Co., 1002-24 Third St., Wausau, Wisc.
Mutual Paper Box Co., Inc., 510 W. 27th St., New York 1, N. Y.
Myer, Henry, Thread Mfg. Co., 319 W. Van-Buren St., Chicago 7, Ill.

N

Nagel Coat Hanger Co., 1200-18 Oliver St., Houston 7, Texas
Namco Chemical Corp., 4765 Bellevue Ave., Detroit 7, Mich.
Nashua Corp., 44 Franklin St., Nashua, N. H.
Nashua Textile Co., Empire State Bldg., New York 1, N. Y.
National Airol Burner Co., Inc., 1284 E. Sedgley Ave., Philadelphia 34, Pa.
National Aluminate Corp., 6233 W. 66th Place, Chicago 38, Ill.
National Aniline Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
National Boiler Protector Co., 928 Reibold Bldg., Dayton 2, Ohio
National Bundle Tyer Co., Dept. 10, Blissfield, Mich.
National Cash Register Co., Main & K Sts., Dayton 9, Ohio
National Chemical Sales Co., Inc., 414-16-18 Sixth St., N.W., Atlanta, Ga.
National Cleaners Chemical Mfg. Co., 2809 W. Lake St., Chicago 12, Ill.
National Combustion Co., 101-06 43rd Ave., Corona 68, N. Y.
National Dryer Mfg. Co., 2500 60th St., Kenosha, Wisc.
National Dye House, 5812 W. Washington Blvd., Culver City, Calif.
National Dye Works, Inc., 3513 Washington Blvd., Baltimore 22, Md.
National Engineering & Mfg. Co., 16th & Lamine, Sedalia, Mo.
National Hatters Supply Co., Inc., 81 W. Van Buren St., Chicago 5, Ill.
National Indemnity Exchange, 3820 Washington Blvd., St. Louis 8, Mo.
National Institute of Drycleaning, Silver Spring, Md.
National Life Insurance Co., Montpelier, Vt.
National Marking Machine Co., 4026 Cherry St., Cincinnati 23, Ohio
National Paper Band Co., P. O. Box 126, Denver 1, Colo.
National Paper & Type Co., 120 Wall St., New York 5, N. Y.
National Pneumatic Co., Inc., 125 Amory St., Boston 19, Mass.
National Repair Services, 615 E. Main St., Richmond 19, Va.
National Starch Products, Inc., 270 Madison Ave., New York 17, N. Y.
National Steam Pump Co., 701 W. Johnson, Upper Sandusky, Ohio
National System of Garage Ventilation, Inc., National Ventilating Systems Div., 140 W. William St., Decatur, Ill.
National Textile Chemical Co., 1984 E. 83rd St., Cleveland, Ohio
National Textile Conservation Div., Research Laboratories, Sherron Acres, Durham, N. C.
National Truck Leasing System, 23 E. Jackson Blvd., Chicago 4, Ill.
Necchi Sewing Machine Sales Corp., 164 W. 25th St., New York 1, N. Y.
Neon Sign Co., Inc., House of Plastics Div., N. 14th at Taylor, Herrin, Ill.
Neva-Clog Products, Inc., 506 Logan St., Bridgeport 1, Conn.
New Departure, Div. General Motors Corp., Bristol, Conn.
New England Business Service, Riverbank Terrace, Townsend, Mass.
New England Trawler Equipment Co., 301 Eastern Ave., Chelsea 50, Mass.
Newhouse Specialty Co., Inc., 3827 San Fernando Rd., P. O. Box 1289, Glendale 4, Calif.
New London Engineering Co., 1700 Division St., New London, Wisc.
New South Mfg. Co., Inc., 711 Bankhead Ave., N. W., Atlanta, Ga.
New York Belting & Packing Co., 1 Market St., Passaic, N. J.
New York High Grade Button Works, 3569 Broadway, New York 31, N. Y.
New York Pressing Machinery Corp., 880 Broadway, New York 3, N. Y.

New York Telecoin Corp., 12 E. 44th St., New York 17, N. Y.
New York Twine Corp., 110 Murray St., New York, N. Y.
Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.
Nicholson, W. H., & Co., 12 Oregon St., Wilkes-Barre 1, Pa.
Nicholson, Wm. J., Laboratories, 2971 W. Davidson, Detroit, Mich.
Nissen, John P., Jr., Co., Glenside, Pa.
No-Darn Co., 618 N. Wells St., Chicago 10, Ill.
Nopco Chemical Co., Inc., First & Essex Sts., Harrison, N. J.
Norjac Foam & Fabric, 819 N. W. 23rd St., Oklahoma City, Okla.
Norman Control Co., 5454 W. Higgins Ave., Chicago 30, Ill.
North American Dye Corp., 22 North St., Danbury, Conn.
North American Electric Lamp Co., 1090 Tyler St., St. Louis 6, Mo.
North American Mfg. Co., 4533 E. 71st St., Cleveland, Ohio
North Coast Chemical & Soap Works, 6307-21 17th Ave., S., Seattle 8, Wash.
Norton & Williams, Inc., 608 North Ave., Westfield, N. J.
Nuodex Products Co., Inc., 830 Magnolia Ave., Elizabeth, N. J.
Nu-Pro Mfg. Co., 2918 Washington Ave., St. Louis 3, Mo.
Nutting Truck & Caster Co., 1125 W. Davidson St., Fairbault, Minn.
Nycco Products Co., 110 W. 29th St., New York 1, N. Y.
Nylonet Corp., 2075 N. W. 75th St., Miami 47, Fla.

O

O P W Corp., Jordan Corp., Industrial Sales Div., 6013 Wiehe Rd., Cincinnati 13, Ohio
Oakite Products, Inc., 22B Thames St., New York 6, N. Y.
Oakville Co., Div. Scovill Mfg. Co., 26 Main St., Oakville, Conn.
Odor Instruments, Inc., 220 E. 42nd St., New York 17, N. Y.
Ohio Centrifugals Co., 342 S. Monument Ave., Hamilton, Ohio
Ohio Injector Co., 175 Laundry St., Wadsworth, Ohio
Ohio Mechanics Institute, Central Parkway & Walnut St., Cincinnati 10, Ohio
Ohmer Register Co., 740 Bolander Ave., Dayton, Ohio
Oil-Rite Corp., 2318 Waldo Blvd., Manitowoc, Wisc.
Oil States Petroleum Co., Inc., 233 Broadway, New York, N. Y.
Old Dominion Iron & Steel Corp., P. O. Box 466, Bell Isle, Richmond 3, Va.
Olin Cellophane Div., Ecusta Paper Corp., 655 Madison Ave., New York 21, N. Y.
Olin Mathieson Chemical Corp., Industrial Chemicals Div., Mathieson Bldg., Baltimore 3, Md.
OlsenMark Corp., 124 White St., New York 13, N. Y.
Olson, J. B. E., Corp., 1740 Broadway, New York 19, N. Y.
Olson Filtration Engineers, Div., American Laundry Machinery Co., 5024 Section Rd., Cincinnati 12, Ohio
Olson Industries, Inc., Adams, Wisc.
Omaha Dye Works, 24th & Poppleton, Omaha, Nebr.
Ontario Iron Works, 32 Park St., Pulaski, N. Y.
Orr Felt & Blanket Co., Piqua, Ohio
Orr & Sembower, Inc., Morgantown Rd., Reading, Pa.
Osborn Bros., 223 W. Jackson Blvd., Chicago 6, Ill.
Oshkosh Filter & Softener Co., 51 Ceape St., Oshkosh, Wisc.
Otis Corp., 1030 Chicago Ave., Evanston, Ill.
Outside Venetian Blind Co., 2625 Elm St., Dallas 1, Texas
Owens-Corning Fiberglas Corp., 16 E. 56th St., New York 22, N. Y.

P

P & H Industries, Inc., 911 St. Joseph St., Dallas 10, Texas
Paasche Airbrush Co., 1909 W. Diversey Parkway, Chicago 14, Ill.
Pabst Brewing Co., Industrial Products Div., 310 Merchandise Mart, Chicago 54, Ill.
Pacific Car & Foundry Co., Renton, Wash.
Pacific Coast Borax Co., 110 Park Ave., New York 17, N. Y.
Pacific Coat Hanger Mfg. Co., 6710 Avalon Blvd., Los Angeles 3, Calif.
Package Chemical Co., Inc., 218 W. First St., Boston 27, Mass.
Package Masters, 2525 S. Wabash Ave., Chicago 16, Ill.
Packless Metal Hose Inc., 730 S. Columbus Ave., Mt. Vernon, N. Y.
Paderaft Corp., 480 W. Front St., Red Bank, N. J.
Pagoda Industries, Inc., 9th St. at Oley, Reading, Pa.
Paisley Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
Pak-All Corp., 5663 Bridgetown Rd., Cincinnati 11, Ohio
Pak-Rite Flexible Packaging Co., 135 W. 20th St., New York 11, N. Y.
Pantex Mfg. Corp., 521 Roosevelt Ave., Pawtucket, R. I.
Pantorium Cleaners, Inc., 3030 Salem Ave., Dayton, Ohio
Paper Chemicals, Inc., 510 W. 27th St., New York 1, N. Y.
Para-Lux Products Co., 4158 W. Schubert Ave., Chicago 39, Ill.
Parisian Cleaners, 391 Chatham St., Lynn, Mass.
Parisian Novelty Co., 3510 S. Western Ave., Chicago 9, Ill.
Park & Tilford, 485 Fifth Ave., New York 17, N. Y.
Parker, Sid E., Boiler Mfg. Co., 2035 E. 37th St., Los Angeles 58, Calif.
Park'N Clean, Inc., Woodner Bldg., 3636 16th St., N.W., Washington, D. C.
Patek & Co., 1900 16th St., San Francisco 1, Calif.
Patterson-Kelley Co., Inc., 2001 Warren St., East Stroudsburg, Pa.
Patterson Laboratories, Inc., 11930 Pleasant Ave., Detroit 25, Mich.
Payson Mfg. Co., 2916 W. Jackson Blvd., Chicago 12, Ill.
Peabody Engineering Corp., 580 Fifth Ave., New York, N. Y.
Pecora Paint Co., Lawrence St. & Sedgley Ave., Philadelphia 40, Pa.
Peerless Pump Div., Food Machinery & Chemical Corp., 301 West Ave., 26, Los Angeles 31, Cal.
Pellerin Milnor Corp., Jackson & Airline Highway in Kenner, P. O. Box 7313, New Orleans, La.
Penick & Ford, Ltd., Inc., 420 Lexington Ave., New York 17, N. Y.
Pennington Co., Riverside Ave., Gillette, N. J.
Pennsalt Chemicals Corp., 3 Penn Center, Philadelphia 2, Pa.
Pennsylvania Flexible Metallic Tubing Co., 7200 Powers Lane, Philadelphia, Pa.
Pennsylvania Refining Co., Butler Savings & Trust Building, Butler, Pa.
Pennsylvania Rubber Co., Penn-Craft Park, Jeannette, Pa.
Per Corp., 295 High St., Box 305, Orange, N. J.
Perelmutter, M., & Co., 4423-25 Broadway, Chicago 40, Ill.
Perfecting Service Co., 332 Atando Ave., Charlotte 6, N. C.
Perfection Marking Machine Co., 441 Detroit St., Denver 6, Colo.
Perfex Corp., 500 W. Oklahoma Ave., Milwaukee 11, Wisc.
Permafiber Corp., 450 Seventh Ave., New York 1, N. Y.
Perma Products Co., P. O. Box 25, Linwood Station, Detroit 6, Mich.
Per-Mo Products Co., 1715 E. 36th St., Kansas City 3, Mo.
Permutit Co., 330 W. 42nd St., New York 18, N. Y.
Perry Co., P. O. Box 2057, 110 Overpass Dr., Waco, Texas
Peters Co., The, Div. Toledo Paint & Chemical Co., 17 Blucher St., Toledo 1, Ohio
Pfaff Sewing Machine Sales Co., 820 Greenwich St., New York 14, N. Y.
Philadelphia Belting Co., Sixth & Spring Garden Sts., Philadelphia 23, Pa.
Philadelphia Quartz Co., 1146 B Public Ledger Bldg., Philadelphia 6, Pa.
Philco Corp., Commercial Laundry Sales, Tioga & "C" Sts., Philadelphia 34, Pa.
Phillips & Phillips Corp., 343 S. Dearborn St., Chicago 4, Ill.
Phoenix Products Co., 4715 N. 27th St., Milwaukee 9, Wisc.
Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
Piazza Engineering Co., 4317 W. Irving Park Rd., Chicago 41, Ill.
Pick Mfg. Co., 255 S. Main St., West Bend, Wisc.
Piece Control Tag Co., 3160 N. Broadway, Chicago 14, Ill.
Pinnacle Products Corp., 188 Tarrytown Road, Elmsford, N. Y.
Piolet Button & Novelty Corp., 2537 Amsterdam Ave., New York 33, N. Y.
Pittsburgh Hanger Co., 14th & P. & L. E. R. R., Monaca, Pa.
Pittsburgh Plate Glass Co., Paint Div., 632 Duquesne Way, Pittsburgh, Pa.
Pittsburgh Tag Co., 1112-20 Galveston Ave., Pittsburgh 33, Pa.
Pittsburgh Waterproof Co., 2537 Penn Ave., Pittsburgh 22, Pa.
Plas-Ties Co., 624 Poinsettia, Santa Ana, Calif.
Plibrico Co., 1800 Kingsbury St., Chicago 14, Ill.
Pneumatic Engineering & Sales, 1010 Des Moines Bldg., Des Moines, Iowa
Pocock, M. A., 1234 Central Ave., N. E., Minneapolis 13, Minn.
Pocono Fabricators, Inc., Div., Patterson-Kelley Co., Inc., 2706 Linton St., East Stroudsburg, Pa.
Popkins Fixture Co., 3722 Forest Park Blvd., St. Louis 8, Mo.
Portmar Water Heater Co., Inc., 193 Seventh St., Brooklyn 15, N. Y.
Porto-Fab Co., Inc., 9215 Weiss St., Dallas 9, Texas
Powder Dispenser Co., Palestine, Texas
Powers Regulator Co., 2810 Greenview Ave., Chicago 14, Ill.
Pre-Marked Strip Tag Co., 3232 India St., P. O. Box 2430, San Diego 12, Calif.
Pres-Grip Corp., 3108 Main St., Buffalo 14, N. Y.
Premium Service Co., 115 W. 19th St., New York, N. Y.
Presser Laundry Bag Co., 3111 Devon Ave., Chicago, Ill.
Procter & Gamble Distributing Co., P. O. Box 599, Cincinnati 1, Ohio
Proctor & Swartz, Inc., Seventh St. & Tabor Rd., Philadelphia 20, Pa.
Proportioneers, Inc., P. O. Box 1442, Providence, R. I.
Prosperity Co., Div. Ward Industries Corp., 701 Nichols Ave., Syracuse 1, N. Y.
Prym, William, Inc., Dayville, Conn.
Pure Oil Co., 35 E. Wacker Dr., Chicago 1, Ill.
Purkett Mfg. Co., 325 E. Third St., Joplin, Mo.
Pyrometer Instrument Co., Inc., Bergenfield, N. J.

Q

Quality Products Co., 5760 W. Grand Ave., Chicago 39, Ill.
Queen City Engineering Co., Inc., Old Pineville Rd., P. O. Box 3103, Charlotte 3, N. C.
Quigley Co., Inc., 527 Fifth Ave., New York 17, N. Y.
Quik Pac Div., H. Wesley Hutchins Co., Hutching St., Auburn, Maine
Quincy Compressor Co., 217 Maine St., Quincy, Ill.

R

Railex Corp., 634 Dean St., Brooklyn 38, N. Y.
Rainbow Dye Works, 109 S. 16th St., Louisville 2, Ky.
Ramelli, Rudolph, Inc., 1030 Sprague St., Shreveport, La.
Ramtite Co., Div. S. Obermayer Co., 2563 W. 18th St., Chicago 18, Ill
Randolph Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.
Rapids-Standard Co., 535 Bono Ave., N.W., Grand Rapids 2, Mich.
Rassenfoss Bag Co., Inc., 1904 Grove St., Glenview, Ill.
Ray Oil Burner Co., 1301 San Jose Ave., San Francisco 12, Cal.
Reading-Pratt & Cady, Div. American Chain & Cable Co., Inc., Tulpehocken St. & Lebanon Valley R. R., Reading, Pa.
Recordak Corp., subsidiary Eastman Kodak Co., 415 Madison Ave., New York 17, N. Y.
Reed Cleaners, 20 13th St., N., Fargo, N. D.
Reed Mfg. Co., 1425 W. Eighth St., Erie, Pa.
Reed-Stabin, Inc., 6015-5th Ave., Brooklyn, N. Y.
Rees-Davis Drugs, Inc., Meriden, Conn.
Reeves Bros., Inc., 54 Worth St., New York 13, N. Y.
Refined Products Corp., 624 Schuler Ave., Lyndhurst, N. J.
Reintjes, George P., 2515-17 Jefferson St., Kansas City 10, Mo.
Reliable Laundry Supplies, 525 W. 76th St., Chicago 20, Ill.
Reliable Machine Works, Inc., 238 Eagle St., Brooklyn 22, N. Y.
Reliable Steam Pressing Machine Service, Inc., 175 Bergen St., Newark 3, N. J.
Reliance Electric & Engineering Co., 1058 Ivanhoe Rd., Cleveland 10, Ohio
Rema Corp., Ruby St., Norwalk, Conn.
Remington Rand, Inc., 315 Fourth Ave., New York, N. Y.
Renard's, 741 Madison Ave., New York 21, N. Y.
Reo Motors, Inc., 1314 S. Washington Ave., Lansing 20, Mich.
Repel-O-Products Div., North American Merchandising Co., Transportation Bldg., Detroit 26, Mich.
Republic Flow Meters Co., 2240 W. Diversey Parkway, Chicago 47, Ill.
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
Research Laboratories Corp., P. O. Box 338, Durham, N. C

Research Products Corp., 1011 E. Washington Ave., Madison 3, Wisc.
Resillo Press Pad Co., 6950 N. Central Park Ave., Chicagoo 45, Ill.
Reslabs, Inc., Div., Linen Products Corp., 2155 W. 80th St., Chicago 20, Ill.
Revere Copper & Brass, Inc., 230 Park Ave., New York 17, N. Y.
Revere Electric Mfg. Co., 6009 Broadway, Chicago 40, Ill.
Revolite Div., Raybestos-Manhattan, Inc., 500 Fifth Ave., New York 36, N. Y.
Rhodes, Preston T., 520-22 N. 61st St., Philadelphia, Pa.
Rich, Phil, Fan Mfg. Co., Inc., 2900 Caroline St., P. O. Box 8036, Houston 4, Texas
Richards-Wilcox Mfg. Co., 174 Third St., Aurora, Ill.
Risdon Mfg. Co., Risdon St., Naugatuck, Conn.
Rite-Temp Mfg. Co., 1209 W. Walnut St., Rogers, Ark.
Riverside Chemical Co., Inc., 871-947 River Rd., North Tonawanda, N. Y.
Riverside Mfg. Co., 4919-27 Connecticut St., St. Louis 9, Mo.
Roberts Numbering Machine Co., 705 Jamaica Ave., Brooklyn 8, N. Y.
Robins, G. S., & Co., 126 Chouteau St., St. Louis, Mo.
Robot Laundry Machinery Sales, Div., Wolf Co., Wolf Ave., Chambersburg, Pa.
Rockwell, W. S., Co., 200 Eliot St., Fairfield, Conn.
Rodin Machinery Co., Div. Rodin Bros., 1331 S. Michigan Ave., Chicago 5, Ill.
Roller Bearing Co. of America, Box 480, Trenton, 3, N. J.
Roll-on-Sealer Co., Antioch, Ill.
Rome Soap Mfg. Co., Sixth St., Rome, N. Y.
Ronaflex Tubing Co., Inc., Packard Bldg., Philadelphia 2, Pa.
Ronningen-Petter Co., 330 S. 27th St., Vicksburg 1, Mich.
Root & Co., 11 Ionia, S. W., Grand Rapids 2, Mich.
Roots-Connersville Blower Corp., 900 W. Mount St., Connersville, Ind.
Rosenthal Mfg. Co., 5033 N. Kedzie Ave., Chicago 25, Ill.
Rosenthal Paper Co., 200 Lynch St., St. Louis 18, Mo.
Ross Heat Exchanger Div., Box 2081 Buffalo 5, N. Y.
Roth, Ray E., Co., 2430 Fourth Ave., Rock Island, Ill.
Ro-Wash, 696 Pembroke Rd., Jenkintown, Pa.
Rubber City Mfg. Co., 714 N. Main St., Akron 10, Ohio
Ruberoid Co., 500 Fifth Ave., New York 18, N. Y.
Rubin, E. L., Mfg. Co., 4 Monroe St., Pittsfield, Mass.
Rubinoff, M., Inc., 154-156 W. 27th St., New York 1, N. Y.
Rumford Chemical Works, 9 Newman Ave., Rumford 16, R. I.
Rusco Chemicals, Box 9101, Charlotte 5, N. C.
Russell Mfg. Co., East Main St., Middletown, Conn.
Ruud Mfg. Co., 2025 Factory St., Kalamazoo, Mich.

S

Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio
St. Louis Sticker Co., 1906 Pine St., St. Louis 3, Mo.
Sak-Rak Co., 601 Cole Ave., Monroe, La.
Salomon, L. A., & Bro., Inc., 216 Pearl St., New York 38, N. Y.
Samson & Shaffer, Inc., 542 S. Dearborn St., Chicago 5, Ill.
Sandoz Chemical Works, Inc., 61-63 Van Dam St., New York 13, N. Y.
Sani-Matic Brusher, 3945 N. Sheridan Rd., Chicago 13, Ill.
Sanitone Div., Emery Industries, Inc., 4200 Carew Tower, Cincinnati 2, Ohio
Sani-Top Co., Stepney Depot, Conn.
Sarco Co., Inc., 635 Madison Ave., New York 22, N. Y.
Saxe-Freeman Co., 1408 Harney St., Omaha, Nebr.
Sayve Corp. of America, 2270 Seymour Ave., Cincinnati 12, Ohio
Schaub, Fred H., Engineering Co., 2110 S. Marshall Blvd., Chicago 23, Ill.
Schirmer-Dornbirer Pump Co., 1719 E. 39th St., Cleveland 14, Ohio
Schmidt Mfg. Co., 280-292 North St., New Bedford, Conn.
Schramm, Inc., West Chester, Pa.
Schwartz, B. W., Co., Box 205, Washington St., Two Rivers, Wisc.
Schwitzer-Cummins Co., 1145 E. 22nd St., Indianapolis 7, Ind.
Scientific Packages, Inc., 1827 Park Ave., Denver Colo.
Sec-O-Matic Corp., 55 LaFrance Ave., Bloomfield, N. J.
Security Fur Seal Co., Inc., 144 W. 27th St., New York 1, N. Y.
Sellers Engineering Co., 4876 N. Clark St., Chicago 40, Ill.
Seneca Dyers, Inc., 1227 Maple St., Rochester 11, N. Y.
Serdex, Inc., 91 Cambridge St., Boston 14, Mass.
Service Recorder Co., 1375 Euclid Ave., Cleveland 15, Ohio
Setlow, M. & Son, Inc., 131 Chestnut St., P. O. Box 1784, New Haven, Conn.
Shane Uniform Co., Inc., 2013 W. Maryland, Evansville 7, Ind.
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Sherwin-Williams, 101 Prospect Ave., N. W., Cleveland 1, Ohio
Shields Engineering & Mfg. Co., 277 E. 156th St., Cleveland 10, Ohio
Shirt Valet Rental Plan, Inc., 358 Fifth Ave., New York 1, N. Y.
Shop-In-Car Corp., P. O. Box 1367, Shelby, N. C.
Shreveport Garment Mfg., 908 McNeil St., Shreveport 95, La.
Sibur Mothproof Co., P. O. Bob 956, Colorado Springs 3, Colo.
Siebring Mfg. Co., 106 Owen St., George, Iowa
Signal Chemical Mfg. Co., Inc., 5020 Richmond Rd., Bedford, Ohio
Simco Co., 920 Walnut St., Lansdale, Pa.
Simplex Oil Heating Corp., 7901 Oxford Ave., Philadelphia 11, Pa.
Simplex Time Recorder Co., 24 S. Lincoln St., Gardner, Mass.
Singer Sewing Machine Co., Industrial Sales Dept., 149 Broadway, New York 6, N. Y.
Sirotta, Bernard, Co., 620 Smith St., Brooklyn 31, N. Y.
Skelly Oil Co., Industrial Div., 605 W. 47th St., Kansas City 41, Mo.
Skrandel Co., 6433 S. Rockwell St., Chicago 29, Ill.
Slater-Robbins Co., Inc., 28-44 Borden Ave., Long Island City, N. Y.
Slick Trailer Stores, 3201 S. Clinton, Fort Wayne, Ind.
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Smith, Frank R., Co., 503 Front St., Orange, Texas
Smith, R. B., Co., 1609 S. Nevada Ave., Colorado Springs, Colo.
Smith, T. L., Co., 2835 N. 32nd St., Milwaukee 1, Wisc.
Smith, X. S., Inc., Box 272, Red Bank, N. J.
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Soden, P. N., & Co., Ltd., 2143 St. Patrick St., Montreal, Can.
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Wholesale leather and suede cleaning, redyeing, refinishing. Hundreds of satisfied customers in every state. Open account. Try our exclusive **DAVOTEX** process. You will become a regular customer. **C.O.D. CLEANING & DYEING CO.,** 1430 Harrison St., Davenport, Iowa. 6055-13

REWEAVING

"40% PROFIT WITHOUT INVESTMENT." Send us garments with burns, rips, holes to be skillfully rewoven by the exclusive **WONDERWEAVE** method. 100 operators, fast service. All work guaranteed for life of garment. No investment, time or labor required. OR, do your own reweaving. We sell equipment for $12 complete with instructions. Replacement points $6 each. Write to Wonder Weavers, established 1899, 44 Whalley Avenue, Dept. 9, New Haven, Connecticut. 3298-29

HEDDA MOHL, REWEAVER, formerly **VIENNA, PARIS.** Original French weaving, reweaving, stoting, invisible mending. Holes, burns and tears expertly rewoven. Quick service. Satisfaction guaranteed. Wholesale prices. Return postage paid 48-hour service. (Promotion kit free.) Hedda Mohl, Reweaver, Colorado Springs, Colorado. East of Chicago, Hedda Mohl, 832 Montrose Ave., Chicago 13. 4839-29

REWEAVING, ONE-DAY SERVICE: Cigarette burns, moth-holes, tears, spots in clothes, linens, rugs, upholstery fabrics, like new. Small jobs returned same day. Send garments for estimate. **GIVE US A TRIAL.** You'll be amazed to see the difference between our work and what you've been getting. Established 1910. American Textile Weaving Co., 5 N. Wabash Ave., Chicago 2, Ill. 5516-29

FOR GUARANTEED REWEAVING SERVICE ship your next damaged garment to us. We use the real French-Rochester Method only. Send us the difficult jobs that others reject. We will do it right or no charge. French Textile Co., Dept. N, 428 Avenue A, Rochester 21, N.Y. 5831-29

REWEAVING. Complete **SALES KIT FREE** including signs, advertising mats, instruction book, **PRICING CHART,** work tickets and envelopes at **NO CHARGE.** A prompt efficient **WHOLESALE** service at a **MODERATE COST.** We reweave the exact pattern in all fabrics. Our complete reweaving service will make you a satisfied, permanent customer. Send garment for estimate. Open accounts if desired. Return postage paid. **MONEY BACK GUARANTEE. CINCINNATI REPAIR SERVICE,** 125 West 5th Street, Cincinnati 2, Ohio. 6066-29

MONEY BACK GUARANTEED REWEAVING. Best possible methods. None better. Display signs, pricing charts, etc. We supply at no charge everything necessary to sell this fine service. Liberal discount. Open accounts. Return postage paid. Send garment for estimate or ask for Sales Kit. **WEAVE MASTERS,** 125 West 5th Street, Cincinnati 2, Ohio. 7369-29

RE-WEAVING AT LOWEST WHOLESALE PRICES, 1-day service, we pay return postage, work guaranteed for the life of the garment. Satisfaction or no charge. Special low prices on large damages. Free estimates in advance if requested. Write for free signs, pricing rulers, labels. **THRIFTY WEAVERS,** 1412 Adams St., Toledo 2, Ohio. 7446-29

The old reliable **"BERGER DAMAGE REWEAVING"** serving the cleaners and tailors trade almost forty years. The finest type of skilled work only. Prompt service, reasonably priced. Our work wins you good will. Estimates cheerfully made. Return postage paid by us. If you want the "Best," mail your jobs to **"BERGER DAMAGE REWEAVING COMPANY,"** 765 Madison Avenue, New York 21, N. Y. 5966-29

FREE SALES KIT—We are "America's Leading Reweaving Service," featuring 24-hour service. We reweave all sizes of damages in all kinds of materials. **GLOBE WEAVING SERVICE,** 210 W. Van Buren Street, Chicago, Illinois. 8516-29

REWEAVING BY THE SUPERIOR FRENCH PROCESS. MOTH HOLES, BURNS, ETC., REWOVEN TO THE EXACT PATTERN. COAST-TO-COAST. MODERATE PRICES. SMALL DAMAGES RETURNED SAME DAY RECEIVED. SATISFACTION GUARANTEED. SEND A TRIAL ORDER TODAY. R. M. WEISSERT, 315 NORTH 7TH ST., ST. LOUIS, MO. 5545-29

MACHINERY WANTED

WANTED—USED DETREX CLEANING MACHINES—any amount, any condition— 30 lbs. or larger. **ADDRESS:** Box 8705, **NATIONAL CLEANER & DYER.** -3

WANTED, PROSPERITY 6A OR 7A CLEANING UNIT. GIVE FULL DETAILS, SERIAL NO., AGE, LEAST CASH PRICE. ADDRESS: Box 8749, **NATIONAL CLEANER & DYER.** -3

Two-ton used Vaultmaster or comparable unit for fur vault. **ADDRESS:** Box 8756, **NATIONAL CLEANER & DYER.** -3

MACHINERY FOR SALE

Two-roll, 100" and 120" **AMERICAN** and **C/L RETURN FEED IRONERS MECHANICALLY EQUAL TO NEW. CUMMINGS-LANDAU** Laundry Machinery Co., 305 Ten Eyck St., Brooklyn 6, N. Y. 8310-4

42 x 84" AMERICAN MASTER CASCADE double end driven Monel metal washers, two-compartment two-door cylinders, motor-driven. **CUMMINGS-LANDAU** Laundry Machinery Co., 305 Ten Eyck St., Brooklyn 6, N. Y. 8309-4

IMPERIAL CLEANING MACHINERY COMPANY, 121 Greenpoint Ave., Brooklyn, N. Y. EV - 9-6585, has available American Notrux extractor, American 8- and 6-roll ironer, American Cascade 42 x 84, also 9-pocket stainless washer, Hoffman drycleaning and laundry washers, Pellerin-Milnor automatic washers, Hoffman and American 30, 48 and 60" extractors for laundries and cleaners, Hoffman 140F and synthetic cleaning unit. Also Prosperity, Mercury, Manitowoc, Columbia, Butler, Sec-O-Matic synthetic units with Hoyt solvent savers, Prosperity 2-girl shirt unit, Bendix washers, Bock extractors, Huebsch tumblers for launderettes. 8434-4

IMPERIAL CLEANING MACHINERY COMPANY, 121 Greenpoint Ave., Brooklyn, N. Y. EV - 9-6585, has Sec-O-Matic synthetic unit with solvent saver—Mercury—140F unit—60 lb. Automatic unit—10 lb. Columbia unit. 8435-4

IMPERIAL CLEANING MACHINERY COMPANY, 121 Greenpoint Ave., Brooklyn, N. Y. EV - 9-6585, has available laundry and drycleaning equipment from several modern plants. Price reasonable, with terms. Request availability list without obligation. 8436-4

IMPERIAL CLEANING MACHINERY COMPANY, 121 Greenpoint Ave., Brooklyn, N. Y. EV - 9-6585, has large stock of new and rebuilt equipment, reasonable prices and terms, one-year guarantee. Individual machines or complete plants for laundry, synthetic or petroleum, also launderette. List the machines you have for sale with us. 8437-4

We buy and sell complete drycleaning plants. Also have a complete line of up-to-date, rebuilt and new drycleaning equipment. Contact us for your machinery needs at bargain prices. **WILLIAMS LAUNDRY MACHINERY CO., INC.,** 37-37 9th Street, Long Island City 1, N. Y., STillwell 6-6666. 8291-4

40" extractor, Hoffman motor-driven, Monel basket, electric controls. Like new. Neild, Charles at 22nd, Baltimore, Maryland. 8735-4

P-H TOPPERMATIC automatically finishes trouser tops. Uncrated, never used. Only 40 days old. Excellent operation. Sacrifice for quick sale. Banner Laundry & Cleaner, Ligonier, Indiana. 8736-4

Mercury 140°F. safety tumblers, reconditioned. Bargain price $300. **MARTIN EQUIPMENT CO.,** Cincinnati 12, Ohio. 8737-4

HATTERS EQUIPMENT FOR SALE. A COMPLETE SHOP FOR FACTORY METHOD. ADDRESS: Box 8750, NATIONAL CLEANER & DYER. 4

VIC MODEL 90-A WITH RECLAIMER AND STILL $2,700. F.O.B. BARTON & MILLER CLEANERS, 2600 N. DIXIE HIGHWAY, FT. LAUDERDALE, FLORIDA. PHONE LO 4-1148. 8757-4

Two-Forse Handee utility presses—$75 each, one—Huebsch round drying cabinet $75, P2 Adjusta-Form, Cissell puff irons with vacuum. Priser's Quality Cleaners, North Manchester, Indiana. 8758-4

30 HP. Fulton steam boiler with return system, used two weeks, cost $2,750, price $1,950, one 300-gallon Patterson-Kelley automatic water heater like new $400, two Perry tumblers 36 x 30 $100 each, one 36 x 54 Gross Silex washer, $400, one 42 x 64 Silex washer $500, both in excellent condition. Three Prosperity model 3240 D.C. body shirt presses $350 each, two Prosperity model 821 P.O. yoke shirt presses, $150 each. Risley-Dorraine Co., 200 Decatur Avenue, Pleasantville, New Jersey. 8685-4

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The Customers Always Write

A Question of Semantics

To the Editor:

In the December 1958 issue on page 40 you state in your excellent trade paper that it would be much better to say "recoloring" instead of "dyeing." With this I cannot agree.

Recoloring is done only in case you dye in the same color, but if you change the color—for example, you have to dye a blue suit in black or a white dress in red—you cannot speak of recoloring any more.

In our country, where there are no wholesale dyers at all, we have to do our own dyeing and we know by experience that only a small part of this work may be named recoloring. Therefore I would suggest to stay with the familiar expression "dyeing" or, in case I am wrong, logically you have to change the name of your paper to "The National Cleaner & Recolorer."

Kurt Mueller, Manager
La Quimica Cleaners and Dyers
Quito, Ecuador

Webster defines the verb "color": "To change or alter the color of, by dyeing, staining, painting, etc." We went through a period of transition in this country when the old-line plants dropped dyeing and customers received a lot of unsatisfactory work from amateurs. The use of the term "recoloring" is an attempt to revive customer confidence in the process which, as we know, can be handled properly by competent organizations. We urge cleaners in this country to use the services of member plants of the Garment Dyers Guild of America.
—Editor

"Do It Now" in Norway

To the Editor:

First of all we wish you a happy and prosperous New Year.

Then we want to tell you how interesting and helpful your "Do It Now" articles have been for us. We feel that National Cleaner & Dyer comes to our plant here in Oslo like a gift twelve times a year.

Well, then to the point. In your September issue you are writing about commercially available hoppers for either shirts or garments. Can you give us addresses of firms manufacturing such hoppers, so that we can write to them and get brochures giving full details and prices? We are only in the drycleaning business till now, but it is our intention to enter into the shirt business, too, as soon as possible.

Talking about drycleaning business in general, most plantowners here in Norway and in Scandinavia as well report that there has been a little decrease in production (about 1 percent). The wages have increased by 3½ percent and from 1-3-59 working hours are going to be reduced from 48 to 45.

In our plant, however, we have had an increase in production of about 25 percent in 1958. And in these days we have got two more shops in Oslo, so we hope we can go on increasing.

Bjorn Kroll
Central Renseriet
Oslo, Norway

The entire "Do It Now" series is now available in booklet form at a dollar per copy. The requested information has been sent to our reader in Oslo.—Editor

Interested in Sidelines

To the Editor:

I saw in your December issue an article on dress shirt rental. Will you please enclose complete information on same, and would like to know names of some companies where I could purchase shirts wholesale.

Also, would like information on tie exchange.

We like your articles very much.

T. A. Winter
Ted's Laundry and Cleaners
Meade, Kans.

Those Wedding-Gown Boxes

To the Editor:

A long time ago, I saw illustrated in your magazine a beautiful box for the permanent storage of wedding gowns.

If possible, will you please give me the company's address.

Ned C. Farmer
Carbondale, Ill

Let's Hear From You . . .

We welcome your inquiries, your views about every phase of the drycleaning industry, your problems and your solutions to problems. Address:
The Editor
National Cleaner & Dyer
305 East 45th Street
New York 17, N. Y.

No Blarney?

To the Editor:

I regret I have not any "tricks of the trade" to offer in connection with your most interesting Spotting Quiz. The many that must come to the surface as a result of this test should make most interesting reading and contain much valuable information and I look forward to their publication.

We at the Gaeltacht would like you to know how much we appreciate your most interesting and instructive magazine and how much information we have gleaned from it over the years.

E. Hughes
Gaeltacht Cleaners Limited
Limerick, Eire

Compliments of Contestant

To the Editor:

I would like to take this opportunity to thank Cort Antonson for his "Spotting Made Easy" series.

The way in which they were written was very interesting; not just a cut-and-dried article.

I look forward to receiving this magazine every month. In fact, my wife has had to hide it until after supper as I would read it from cover to cover before eating.

Thanks again for a job well done.

Howard H. Waterfield
Manager, Drycleaning
Bluebird Laundry & Dry Cleaners
Hamburg, N. Y.

Spotting Help

To the Editor:

I would appreciate it highly if you could send me any information on the removal of stains by chemicals as I am writing a lengthy research paper on this subject. I need some technical material since I know the basic ideas from working in my mother's cleaning plant.

If this is impossible could you tell me where such information could be obtained.

Erlanger Dry Cleaners
Erlanger, Kentucky

We are now preparing a new and complete book on spotting. In the meantime, the "Spotting Made Easy" series which we ran during 1958 should be of help.—Editor

these companies demand the very best...

and all use

UNITED

VALVES

as original equipment!

For over half a century UNITED has been known as a dependable source for quality valves and related material. It is only natural that leading manufacturers of dry cleaning, laundry and boiler equipment should use UNITED products as original component parts . . . and the list grows each year!

These reputable manufacturers take pride in their products. They want the users of their equipment to have years of trouble-free service. Component parts of high quality is a "must". UNITED is proud to be a supplier.

And, when the time does come when your equipment is in need of repair . . . doesn't it make sense to replace with the same "make" parts as used by these reputable firms? Your nearest UNITED dealer can supply your needs fast for pressing machine parts, boiler fittings, return systems, flexible hose and valves. See or call him soon!

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Bill Glover

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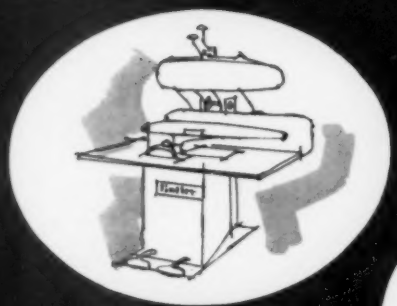
Williams & Davis Boiler & Welding Co., Inc.

Ajax Pressing Machine Company

UNITED BRASS WORKS, INC. • RANDLEMAN, N.C.

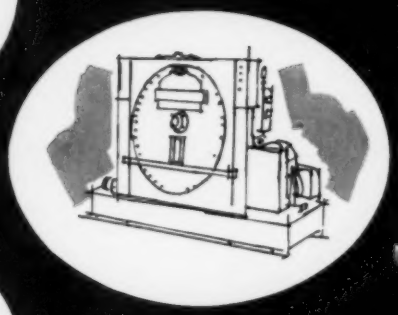
VALVE MANUFACTURERS FOR HALF A CENTURY

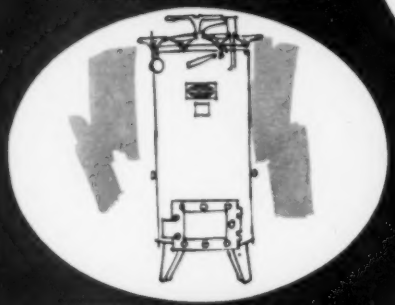
Nobody—
but nobody
but Butler
has a wider
range of
equipment
and services!



AIR PRESSES—The new Butler air press with exclusive "Fabric-Feel" control is taking the industry by storm. Available in utility and mushroom models.

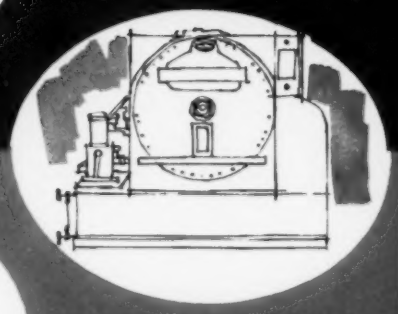
PETROLEUM EXTRACTING WASHERS—Cost-cutting, quality-producing units available in 40, 60, and 120-lb. capacities. Fully automatic. Single or two-bath.





FILTERS—Butler Big-Flo filters with air cleanout range from 1,000 to 5,000 gph. Butler filters have been trouble-free and dependable for a quarter century.

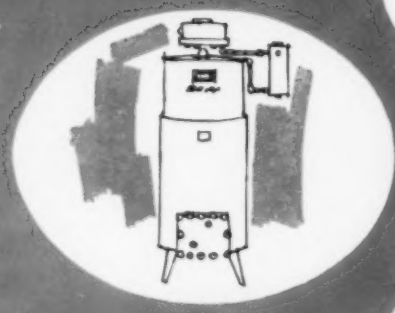
SYNTHETIC UNITS—A whole family of them. 30, 50, and 80-lb. load capacity models are available in single bath or two bath. All fully automatic.



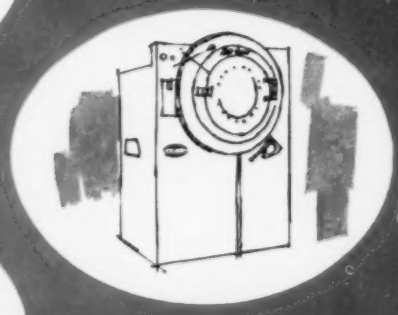
STILLS—Butler Pure-Flo stills provide a constant flow of distilled solvent. Cut solvent costs, reduce cleaning time, minimize spotting. Available for either petroleum or synthetic solvent.

ONE CALL DOES IT ALL!

We're in the dry cleaning equipment business in a big way. To us, this means *in all the way* with a line complete enough to outfit a dry cleaner from scratch. To you, it means the opportunity to do business with just one supplier—a dependable, experienced, *permanent* supplier who knows your problems inside out. It means a convenient, single source not only for sales, but for service. Take a look at the products on this page. They're the best, as thousands of cleaners who have benefited from them will tell you.



RECLAIMERS—Butler reclaimers save money by recovering perc left in garments after extraction. Only clean, pure, solvent is returned.



NEW-PLANT SERVICES—Butler can provide new plant location survey, work flow analysis, plant layout, installation, advertising and financing.

BUTLER
Our 58th year

BUTLER MANUFACTURING COMPANY

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Manufacturers of Equipment for Dry Cleaning, Farming, Oil Production and Transportation, Outdoor Advertising • Metal Buildings • Contract Manufacturing
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